```
for s in fhs fms mkk mko mmt mnh mym; do for d in zero ichi mi san sig oo roku nana hachi kyu rei yon sichi ku; do for l in 1 2 3 4 5 6 7 8 9 10; do cmd="python speechnormalize.py -yin ^{d}[4]^{d}[4]^{d}[4].dt -yout ^{d}[4]^{d}[5].dat -ymi
                                                                                                                                                                                                                                                                                                                                                                                                                                               _n/fhs-hachi5.dat -ymin 0
37 #python specchnormalize.py -yin ../l2voicedata_ueki_all/mmt-san2.dat -yout ../l2voicedata_ueki_all_n
                                                                                                                                                                                                                                                                                                                                                                                                                                    #python speechnormalize.py -yin ../l2voicedata_ueki_all/fhs-hachi5.dat -yout ../l2voicedata_ueki_all
                                                                                                         -s /media/sf_C_DRIVE/cdata/kurolab/data/12voicedata ~/sotu/2012/12voicedata_ueki #kurogi only
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (1-0),(1-1-1),(1-2-1),(1-3-1),(1-4-1)の順に動作チェックを一通り行う(並列では行わない)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  wc $dr/*R${R}*-M.dat #ファイルのsize 確認
1s -1 $dr/*R${R}*-M.dat|wc #M.datファイルの個数確認 全部揃えば 698=700-2個
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1-0),(1-1-2),(1-2-2),(1-3-2),(1-4-2)の順に全処理を行う(並列では行わない)
                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     dl=./../l2voicedata_ueki_all; mkdir -p $dl
for d in zero ichi ni san si go roku nana hachi kyu rei yon sichi ku;
ln -s ${d0}/${d}/* ${d1}/
                                                                                                                                                       d0=/media/sf_C_DRIVE/cdata/kurolab/data/12voicedata_ueki/12voicedata
d0=~/sotu/2012/12voicedata_ueki/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       rm nohup.out.nohup python mkM.py -dr $dr -R $R -DISP 0 -ow 1 & #or nohup .. >/dev/log 2>&1 </dev/null & #rows.sh #処理状況の確認
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           dn=${dl}_n; mkdir -p $dn #save normalized speech signal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         python mkM.py -dr $dr -R $R -DISP 10 -ow 1
                                                                    #(0) 前処理(データ正規化)(以前の処理と同じ)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ####################################
// can2 batch for speech processing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       dl=../../12voicedata_ueki_all;
dr=${dl}_k8; #mkdir -p $dr #
                                                                                                                                                                                                                                                                                                                                                                          echo $cmd; $cmd >> $log
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             R=0.8 #R=1:0.8:0.6:0.4:0.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ##########################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ##########################
                                                                                                                                                                                                                                                                                       #echo "ymin=$ymin" > $log
                                                                                                                                                                                                                                                                            log=$dn/normalize.log
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #(1-0) 職境変数設定
                                                                                                                                                                                                                                         #(0.2)パワー正規化
                                                                                               can2m+/can2c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            nohup.out
                                                                                                                               (0.1)リンク作成
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /mmt-san2.dat -ymin 0
                                                                                                                                                                                                                                                                                                                                                                                                                        #err with
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                df=${d1}
                                                                                                                                                                                                                                                                                                 ymin=0
                                                                                                                                                                                                                                                                                                                                                            n $ymin"
31
32
33
33
34 do
35 #6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          39
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

Y_1 = Y= C /(1-P $\alpha^{c}(-L_1)$)= c exp(jb)/(1- exp(a+jw)z^{c}(-1)) と U # Y_1 © 遊変機をTr(r)=y(t)とする. # Y_1 © 遊変機をTr(r)=y(t)とする. # Y_1 © 遊変機をTr(r)=y(t)とする. # Y_1 © 遊変機をTr(r)=y(t) | IZ(r)=IZ(c /(1- exp(a)z^{c}(-1))) = c exp(a*t) = y(t) (t=0, 1, 2, ...) # (II) w = 0 のとき, Ye Yoo 共後 Y**= C** (1-P** z^{c}(-1)) = c exp(-jb)/(1- exp(a-jw)z^{c}(-1))が得られるの #実軸上の点に対応する(Ti)は用いず(Ti)のデータで特徴ベクトル作成、 #装軸上の点に対応する(Ti)は用いず(Ti)のデータで特徴ベクトル作成、 #(1) 直交座標 (Pz, Py)空間を離散化し、穏P=(Pz, Py)がある領域を1および #(2 +ce - 2*sqrt(Cx^2+Cy-2)で重み付けした画像を用放し、 #後者にはCx2+Cy-2)で重み付けした画像を用放し、 #後者にはWateriamalurで平滑化した後、364**-rp1. datおよびの重な上下に配置して連結し、 #6 56に、鏡 (Px, Py)をCx=c**cos(b)およびCy=c**sin(b)で重み付けした2つの画像を上下に配置して連結し、 #155に、鏡 (Px, Py)をCx=c**cos(b)およびCy=c**sin(b)で重み付けした2つの画像を上下に配置して連結し、 #151よび2*c= 2*sqrt(Cx*2+Cy*2)で重み付けした画像を作成し、 #1513 また、極極線(L)、約空間を離散化した画像を作成し、 #155に、w)が存在する領域を #155に、w)が存在する領域を #155に、w)が存在する領域を #155に、w)が存在する領域を #155に、w)が存在する領域を #155に、(T*w)をCx=c**cos(b)およびCy=c**sin(b)で重み付けした画像を作成し、 #155に、(T*w)をCx=c**cos(b)およびCy=c**sin(b)で重み付けした画像を上下に配置して連結し、 #157に、w)をCx=c**cos(b)およびCy=c**sin(b)で重み付けした2つの画像を上下に配置して連結し、 #export nx=10 nx=2 na=24 #nx=2;na=24;nx=((nx*na)*2)**(0.5);print 'nx=',int(nx+0.5)nx= 10 #export nx=11 #12 13 14 15 export mxe6 nr=1 na=18 mx=1;na=18;nx=((nr*na)*2)**(0.5);print int(nx+0.5)
export nx=0 nr=1 na=18 mr=3;na=18;nx=((nr*na)*2)**(0.5);print int(nx+0.5)
export nx=13 nr=5 na=18 mr=5;na=18;nx=((nr*na)*2)**(0.5);print int(nx+0.5)
export nx=15 nr=6 na=18 mr=6;na=18;nx=((nr*na)*2)**(0.5);print int(nx+0.5)
export nx=12 nr=6 na=18 mr=6;na=18;nx=((nr*na)*2)**(0.5);print int(nx+0.5)
export nx=8 nr=2 na=18 mr=2;na=18;nx=((nr*na)*2)**(0.5);print int(nx+0.5)
export nx=9 nr=2 na=19 mr=2;na=19;nx=((nr*na)*2)**(0.5);print int(nx+0.5)
export nx=9 nr=2 na=19 mr=2;na=19;nx=((nr*na)*2)**(0.5);print int(nx+0.5)
export nx=9 nr=2 na=21 mr=2;na=21;nx=((nr*na)*2)**(0.5);print 'nx=0,*2);
export nx=9 nr=2 na=21 mr=2;na=21;nx=((nr*na)*2)**(0.5);print 'nx=',int(nx+0.5)
export nx=9 nr=2 na=22 mr=2;na=21;nx=((nr*na)*2)**(0.5);print 'nx=',int(nx+0.5) #(1-3-1) (Px, Py, Cx, xy)から極(Px, Py)をCで重み付けした特徴ベクトルを作成(動作チェック) Gaussian Kernel Gaussian Kernel export nx=10 nx=2 na=23 #nx=((nx*na)*2)**(0.5);print 'nx=',int(nx+0.5)nx=export nx=10 nx=4 na=23 #nx=((nx*na)*2)**(0.5);print 'nx=',int(nx+0.5)nx= 全部揃えば 698=700-2個 698=700-2個 rm nohup.out.nohup python M2PC.py -dr \$dr -R \$R -ow 1 -DISP 0 & 料処理状況の確認 export nG=1 sG=1.0 #nG: size of Gaussian Kernel, sG:sigma of export nG=3 sG=0.5 #nG: size of Gaussian Kernel, sG:sigma of tail nohup.out | wc #ファイルの衝数確認 全部揃えば grep created nohup.out | wc #ファイルの Bize 確認 wc 5dz/*r85{R}*-PC.dat | wc #ファイルの Bize 確認 ls -1 \$dz/*r85{R}*-PC.dat | wc #ファイルの 個数確認 全部揃えば $=c \exp((a+jw)t+b) + c \exp((a-jw)t-b)$ python M2PC.py -dr \$dr -R \$R -ow 1 -DISP 10 -dbgi + IZ(Y^*) #(1-2-0) 連想行列Mから極と係数を計算(理論 /12voicedata_ueki_all; ########################### ######################### ########################## dr=\${dl}_k8; #mkdir -p \$dr df=\${dl}_f R=0.8 #R=1:0.8:0.6:0.4:0.2 ############################### ######################### $IZ(Y+Y^*)=IZ(Y)$ export mel=1 ۴

#python PC2xPy.py -dr \$dr -ow 1 -Ksize 3 -sK 1 -rmax 2 -R \$R -ow 1 -nx 11 -nr 5 -na 18 -DISP 10 -dbg

python PC2xPy.py -dr \$dr -R \$R -rmax 2 -ow 1 -nx 11 -nr 2 -na 18 -nG 3 -sG 1 -DISP 10 -dbgi 1

#1数字(複数の連想行列)毎にストップ

python PC2xPy.py

-dr \$dr -R \$R -rmax 2 -ow 1 -nx \$nx -nr \$nr -na \$na -nG \$nG -sG \$sG -DISP

11 -dbgi

```
pplF2x23G1x1.0m0N40b100a1.6R0.8
pplF4x23G1x1.0m0N40b100a1.6R0.8 +
pplF4x23G3x0.5m0N40b100a1.6R0.8 +
pplF4x23G3x1.0m0N40bL100a1.6R0.8 +
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                echo "#Execute ${cmd0}"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8329.435s(2:18:49.435)xxxmel=1?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   298 #TP0.791 TN0.986 FP0
40.809s(2:45:40.808)ER*RC*F*
299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ${cmd0} > nohup.out
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               tail -15 nohup.out
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .98(2:\(\(\alpha\)\).
299
300
301
41P0.795 TNO..
04.245s(2:41:44.249) m=3
303 pp1F2x23Glx\)
304 pp1F4x\]
305 pp1F4x\]
306 pp1F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8370.371s(2:19:30.370)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #########
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           -1
278
280
281
282
283
284
285
286
286
288
291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         295
296
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -na $na -nG $nG -sG
                                                                                                                                                       * nx/2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         nohup python PC2q.py -dr $dr -ow 1 -nF 1001 -rmax 2 -R $R -nG 11 -sG 3 -ow 1 -DISP 0 >nohup.out&grep created nohup.out | wc
                                                     ここではやらなくてよい)
                                                                                                                                                                                  l68 export nx=10 nx=3 na=18 #nx=3;na=18;nx=((nx*na)*2)**(0.5);print nx
169 export nx=12 nx=4 na=18 #nx=4;na=18;nx=((nx*na)*2)**(0.5);print nx
170 export nx=13 nx=5 na=18 #nx=5;na=18;nx=((nx*na)*2)**(0.5);print nx
171 export nx=15 nx=6 na=18 #nx=5;na=18;nx=((nx*na)*2)**(0.5);print nx
172 export nx=0 nx=2 na=18 #nx=2;na=18;nx=((nx*na)*2)**(0.5);print nx
173 export nx=9 nx=2 na=20 #nx=2;na=19;nx=((nx*na)*2)**(0.5);print nx
174 export nx=9 nx=2 na=21 #nx=2;na=19;nx=((nx*na)*2)**(0.5);print nx
175 export nx=9 nx=2 na=21 #nx=2;na=2;nx=((nx*na)*2)**(0.5);print nx
176 export nx=9 nx=2 na=21 #nx=2;na=2;nx=((nx*na)*2)**(0.5);print nx=',int(nx+0.5)
176 export nx=10 nx=2 na=25 #nx=2;na=2;nx=((nx*na)*2)**(0.5);print 'nx=',int(nx+0.5)nx=10
178 export nx=10 nx=4 na=25 #nx=((nx*na)*2)**(0.5);print 'nx=',int(nx+0.5)nx=10
180 export nx=10 nx=8 na=23 #nx=((nx*na)*2)**(0.5);print 'nx=',int(nx+0.5)nx=10
181 export nx=10 nx=8 na=23 #nx=((nx*na)*2)**(0.5);print 'nx=',int(nx+0.5)nx=10
182 export nx=10 nx=4 na=23 #nx=((nx*na)*2)***(0.5);print 'nx=',int(nx+0.5)nx=10
183 export nx=10 nx=4 na=23 #nx=((nx*na)*2)***(0.5);print 'nx=',int(nx+0.5)nx=10
184 export nx=10 nx=4 na=23 #nx=((nx*na)*2)***(0.5);print 'nx=',int(nx+0.5)nx=10
185 export nx=10 nx=4 na=23 #nx=((nx*na)*2)***(0.5);print 'nx=',int(nx+0.5)nx=10
186 export nx=10 nx=4 na=23 #nx=((nx*na)*2)***(0.5);print 'nx=',int(nx+0.5)nx=10
187 export nx=10 nx=4 na=23 #nx=((nx*na)*2)***(0.5);print 'nx=',int(nx+0.5)nx=10
188 export nx=10 nx=4 na=23 #nx=((nx*na)*2)***(0.5);print 'nx=',int(nx+0.5)nx=10
189 export nx=10 nx=4 na=23 #nx=((nx*na)*2)***(0.5);print 'nx=',int(nx+0.5)nx=10
180 export nx=10 nx=4 na=23 #nx=((nx*na)*2)***(0.5);print 'nx=',int(nx+0.5)nx=10
181 export nx=10 nx=4 na=23 #nx=((nx*na)*2)***(0.5);print 'nx=',int(nx+0.5)nx=10
181 export nx=10 nx=2 na=23 #nx=((nx*na)*2)***(0.5);print 'nx=',int(nx+0.5)nx=10
181 export nx=10 nx=2 na=23 #nx=((nx*na)*2)***(0.5);print 'nx=',int(nx+0.5)nx=10
181 export nx=10 nx=2 na=23 #nx=(nx*na)***(0.5);print 'nx=',int(nx+0.5)nx=10
182 export nx=10 nx=2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       $dr/*
                                                                                                                                                       йX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              \#(1-4-1)(x,y,C)から極(x,y)の分布を作成(以前の極分布ベクトル<math>qnと同じ)(動作チェック)結果は
                                                                                                                                                       that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          698=700-2個
                                                                                                                                                       80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 python PC2q.py -dr $dr -ow 1 -nK 11 -sG 3 -nF 1001 -rmax 2 -R $R -ow 1 -DISP 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    -R $R -rmax 2 -ow 1 -nx $nx -nr $nr
                                                                                                                                                     export nG=1 sG=1 #nG: size of Gaussian Kernel, sG:sigma of Gaussian Kernel export n=3 sG=0.1 #nG: size of Gaussian Kernel, sG:sigma of Gaussian Kernel export nG=3 sG=0.5 #nG: size of Gaussian Kernel, sG:sigma of Gaussian Kernel
                                   #(1-3-2) (bx. by, cx. xx)から極 (bx. by)をcで重み付けした特徴ベクトルを作成(全処理)
##########################問はそれほどかからない(実際は下の(3-0)で行うのでこ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       全部揃えば
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               grep created nohup.out | wc #ファイルの個数 確認
for F in rPc rPcb rPl pPc pPcb pPl ;do
echo -n $F;ls -l $dx/*Rs(R)*-${F}*.dat|wc;#ファイルの個数 確認
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #ファイルのsize 確認
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      export D=zero:ichi:ni:san:si:go:roku:nana:hachi:kyu
export S=fhs:fms:mkk:mkc:mmt:mnh:mym
export R=0.8; RX=0 #R=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              check
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   export dl=./../l2voicedata_ueki_all;

export dr=${dl}_k8; #mkdir -p $$dq #pole new

export $$x=-1.x=1... f;b=10.N=40;# for short time

export $$x=-1.x=1.6.b=40.N=100; #??

export $$X=-1.x=1.6.b=40.N=400; #???
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   export sX=-1;a=1.6;b=400;N=40; #?best 18aihc!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                191 rm nohup.out.nohup python PC2xPy.py -dr $dr $sG -DISP 0 -mel $mel&
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             for F in rPc rPcb rPl pPc pPcb pPl ;do echo -n $F;wc $dr/*R$\{R\}^*-\$\{F\}.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ######################################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                export sX=-1;a=1.6;b=100;N=50; #? export sX=-1;a=0.7;b=100;N=30; # export sX=-1;a=1.6;b=100;N=40; #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     export sX=-1;a=1.6;b=300;N=40; #?
                                                                           dl=./../l2voicedata_ueki_all;
dr=${dl}_kB; #mkdir -p $dr #
df=${al}_f
R=0.8 #R=1:0.8:0.6:0.4:0.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    export L=1:2:3:4:5:6:7:8:9:10
                    ##########################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 export mbas=2:${b}:${a}:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #処理状況の確認
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  tail nohup.out
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              export mel=1
                                                                                                                                                                           * na
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          206
207
q.dat
                                                                                                                                                                                           192
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  195
1196
1197
1198
1199
200
200
203
203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        אע
```

```
97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             98.331s(2:43:18.331)PR*
298 #TP0.791 TN0.986 FP0.014 FN0.209 ER0.042 RC0.791 PR0.903 F0.843 k92 pPIF4x23G3x0.5m0N40b100a1.6R1 99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #TPO.778 TNO.982 FPO.018 FNO.222 ERO.047 RCO.778 PRO.879 FO.825 k46 pplF2x23Glx1.0moN40bl00al.6R1 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #TP0.795 TN0.986 FP0.014 FN0.205 ER0.041 RC0.795 PR0.905 F0.847 k92 pP1F4x23G3x0.5mlN40b100a1.6R1 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         -mel $mel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8463.674s(2:21:03.674)ER*PR*PR*P*
292 #TPO.552 TNO.962 FPO.038 FNO.448 ERO.106 RCO.552 PRO.745 FO.634 k92 pPIF4x23G3x1.0mON4OblO0al.6RO.8
8496.331s(2:21:36.330)RC*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          289 #TP0.527 TN0.970 FP0.030 FN0.473 ER0.104 RC0.527 PR0.778 F0.629 k46 pP1F2x23G1x1.0m0N40b100a1.6R0.8
3445.891s(0:57:25.890)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #TP0.426 TN0.976 FP0.024 FN0.574 ER0.116 RC0.426 PR0.777 F0.550 k92 pp1F4x23G1x1.0m0N40b100a1.6R0.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #TP0.523 TN0.969 FP0.031 FN0.477 ER0.105 RC0.523 PR0.774 F0.624 k92 PPIF4x23G3x0.5mlN40b100a1.6R0.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #(2-1) 学習と話者識別集行(時間がかかる)
cmd="python oobspeakerdigit-RX_20191113.py -sp $S -tx $D -L $L -dr $dr -R $R -RX $RX -mbas $mbas $(N - ax $fxX) -PD ${PD} -nx $nx -nr=$nr -na=$na -nG $nG -sG $sG -mel $mel -nlz $nlz" echo "#Execute ${cmd}"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       pP1F4x23G1x1.0m0N40b100a1.6R1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     pP1F4x23G3x1.0m0N40b100a1.6R1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         $na -nG $nG -sG $sG
export nx=6 nr=1 na=18 #nr=1;na=18;nx=((nr*na)*2)**(0.5);print int(nx+0.5)
export nx=10 nr=3 na=18 #nr=3;na=18;nx=((nr*na)*2)**(0.5);print int(nx+0.5)
export nx=13 nr=5 na=18 #nr=5;na=18;nx=((nr*na)*2)**(0.5);print int(nx+0.5)
export nx=12 nr=6 na=18 #nr=5;na=18;nx=((nr*na)*2)**(0.5);print int(nx+0.5)
export nx=12 nr=6 na=18 #nr=5;na=18;nx=((nr*na)*2)**(0.5);print int(nx+0.5)
export nx=12 nr=1 nr=2;na=19;nx=((nr*na)*2)**(0.5);print int(nx+0.5)
export nx=9 nr=2 na=18 #nr=2;na=19;nx=((nr*na)*2)**(0.5);print int(nx+0.5)
export nx=9 nr=2 na=20 #nr=2;na=19;nx=((nr*na)*2)**(0.5);print (nr(nx+0.5))
export nx=9 nr=2 na=21 #nr=2;na=2;nx=((nr*na)*2)**(0.5);print (nr(nx+0.5))
export nx=9 nr=2 na=21 #nr=2;na=2;nx=((nr*na)*2)**(0.5);print (nr*na,0.5)
#export nx=9 nr=2 na=24 #nr=2;na=2;nx=((nr*na)*2)**(0.5);print (nr*na,0.5)
#export nx=10 nr=2 na=24 #nr=2;na=2;nx=((nr*na)*2)**(0.5);print (nr*na,0.5)
#export nx=10 nr=2 na=24 #nr=2;na=2;nx=((nr*na)*2)**(0.5);print (nr*na,0.5)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #TPO.530 TNO.972 FPO.028 FNO.470 ERO.102 RCO.530 PRO.789 FO.634 k92 pP1F4x23G3x0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaussian Kernel
Gaussian Kernel
Gaussian Kernel
Gaussian Kernel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ###Without mel-scale (mel==0) with N4OblO0al.6 optimize nr,na,(nx),nG,sG, #########
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         $nr -na
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            30.252s(1:07:10.252)
297 #TPO.668 TNO.989 FPO.011 FNO.332 ERO.057 RCO.668 PRO.907 FO.769 k92
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              nohup out: 2-0)上記パラメタを持つxpyファイルの存在を觸べ、なければ作る\leftarrow (1-3-2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          if [ "${FD:0:1}" == "p" ]; then #xPyファイルの存在確認
fn=${dx}/mym-zero9-R8{R}*~${FD}F${nx}x{na}G${nG}x${sG}m3,x4me1}.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             -ur
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               export nG=3 sG=1.0 #nG: size of Gaussian Kernel, sG:sigma of export nG=3 sG=0.5 #nG: size of Gaussian Kernel, sG:sigma of export nG=3 sG=0.7 #nG: size of Gaussian Kernel, sG:sigma of export nG=1 sG=1.0 #nG: size of Gaussian Kernel, sG:sigma of export nG=1 sG=1.0 #nG: size of Gaussian Kernel, sG:sigma of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    fn=${dr}/mym-zero9-R${R}*-${FD}F${nx}G${nG}x${sG}.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       export FD=rPl #pPl #pPl pPc pPcb rPl rPc rPcb export FD=ppl #pPl #pPl pPc pPcb rPl rPc rPcb export mel=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #(2-2)実行状況確認
grep "time\|start" nohup.out
#最終結果確認
```

62.

```
341 ##(1) N30,b100,a0.7, b100? R=1
342 #TP00.748 TNO 988 FP0.012 FNO.252 ER0.046 RC0.748 PR0.914 F0.823 k46 pplF2x23G1x1.0N30b300a0.7R1 5558
.6758(1:32.38.675) b300*RR*RC*F*
343 #TP0.746 TNO.988 FP0.012 FNO.254 ER0.046 RC0.746 PR0.914 F0.822 k46 pplF2x23G1x1.0N30b200a0.7R1 3690
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #TP0.741 TN0.986 FP0.014 FN0.259 ER0.049 RC0.741 PR0.901 F0.813 k46 PP1F2x23G1x1.0N35b100a0.7R1 2048
                                                                                                                                                                                                        313 ############### Examination that mel==0 (without mel-scale) is best.
314 #TPO.476 TNO.984 FPO.016 FNO.524 ERO.101 RCO.476 PRO.858 FO.612 k92 pplF4x23G3x0.5m0N30b100a0.7R0.8
3756.0558;1.02136.054)
315 #TPO.476 TNO.979 FPO.021 FNO.536 ERO.107 RCO.464 PRO.816 FO.592 k92 pplF4x23G3x0.5m1N30b100a0.7R0.8
3815.8168(1:03:35.816)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #TP0.766 TN0.986 FP0.014 FN0.234 ER0.045 RC0.766 PR0.904 F0.829 k92 pP1F4x23G3x1.0N30b100a0.7R1 4404
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3447.047s(0:57:27.046) ER*RC*F**
325 ##PO.497 TNU.964 FPO.036 FNO.503 ERO.114 RCO.497 PRO.735 FO.593 K46 pplF2x23Glx1.0mlN40bl00al.6RO.8
3453.604s(0:57:33.604)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    pP1F4x23G3x0.5m0N30b100a0.7R0.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #TPO.507 TNO.968 FPO.032 FNO.493 ERO.109 RCO.507 PRO.761 FO.609 k92 ppIF4x23G3x0.5mlN40bl00al.6RO.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #TP0.520 TN0.968 FP0.032 FN0.480 ER0.107 RC0.520 PR0.763 F0.618 k92 pP1F4x23G3x0.5m2N40b100a1.6R0.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           pP1F4x23G3x0.5m0N40b100a1.6R0.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       324 #TP0.537 TN0.969 FP0.031 FN0.463 ER0.103 RC0.537 PR0.775 F0.635 k46 pP1F2x23G1x1.0m0N40b100a1.6R0.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #TP0.510 TN0.968 FP0.032 FN0.490 ER0.108 RC0.510 PR0.764 F0.612 k46 pP1F2x23G1x1.0m2N40b100a1.6R0.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #TPO.470 TNO.984 FPO.016 FNO.530 ERO.102 RCO.470 PRO.852 FO.606 k46 pPIF2x23G1x1.0m0N30b100a0.7RO.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          pP1F2x23G1x1.0m1N30b100a0.7R0.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #TP0.527 TNO.970 FP0.030 FNO.473 ER0.104 RC0.527 PR0.778 F0.629 k46 pp1F2x23G1x1.0m0N40b100a1.6R0.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  332 #TP0.742 TNO.987 PP0.013 FNO.258 ERO.048 RCO.742 PRO.906 FO.816 k46 pP1F2x23G1x1.0m0N30b100a0.7R1 65.180s(0:31:05.180) ***
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  because
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    348 #TP0.729 TNO.987 FP0.013 FNO.271 ER0.050 RCO.729 PR0.902 FO.807 k46 PP1F2x23G1x1.0N20b100a0.7R1
348 #TP0.739 TNO.985 FP0.015 FNO.259 ER0.050 RCO.741 PR0.893 F0.810 k46 PP1F2x23G1x1.0N40b100a0.7R1
5728 (0.35.50.671) **
5728 (0.35.50.671) **
5739 #TP0.725 TNO.986 FP0.014 FNO.275 ER0.052 RCO.725 PR0.894 F0.801 k46 PP1F2x23G1x1.0N50b100a0.7R1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   353 #TPO.683 TNO.988 FPO.012 FNO.317 ERO.055 RCO.683 PRO.907 FO.779 k92 pplF4x23G1x1.0N40bl00al.6R1
15336(2:45:29:5333)
354 #TPO.607 TNO.992 FPO.008 FNO.393 ERO.063 RCO.607 PRO.928 FO.734 k92 pplF4x23G1x1.0N30bl00a0.7R1
8595(1:13:39.859) PR.*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #TP0.738 TN0.986 FP0.014 FN0.262 ER0.050 RC0.738 PR0.896 F0.809 k46 pP1F2x23G1x1.0N25b100a0.7R1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #TP0.742 TM0.987 FP0.013 FN0.258 ER0.048 RC0.742 PR0.906 F0.816 k46 pP1F2x23G1x1.0N30b100a0.7R1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #TPO.736 TNO.987 FPO.013 FNO.264 ERO.049 RCO.736 PRO.903 FO.811 k46 pplF2x23Glx1.0N40b200a0.7R1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #TP0.752 TN0.988 FP0.012 FN0.248 ER0.045 RC0.752 PR0.915 F0.825 k92 pplk4x23G3x0.5N30bl00a0.7R1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               334 ################## Examination that N40b100a1.6 is better than N30b100a1.6
335 #TPO.532 TNO.966 FPO.034 FNO.468 ERO.106 RCO.532 PRO.757 FO.625 k46 pP1F2x23G1x1.0m0N30b100a1.
2880.4878(0:48:00.487) N30worsethanN40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      F0.634 k92 pPlF4x23G3x0.5m0N40bl00al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   pP1F2x23G1x1.0m2N30b100a0.
                                                                                                                                                                                                                                                                                                                                                                                                                                    F0.587 k92 pPlF4x23G3x0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     for R=1,0.8 a=0.7(fast:low precession?)
tuning --> decide to use N30,b100,a0.7, (reject b=300 with smallest
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8535.4448(2:22:15.444)
322 #TPO.532 TNO.974 FPO.026 FNO.468 ERO.099 RCO.532 PRO.807 FO.641 k92
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1608 903s(0:26:48:903) m0*
1623 9 #TPO-658 TNO.992 PPO.018 FNO.542 ER0.105 RCO.458 PRO.838 F0.593 k46
1623:034s(0:27:03:034)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    F0.609 k92
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   F0.561 k46
                                                                                                                                                                                                                                                                                                                                                                                                                                    #TP0.457 IN0.980 FP0.020 FN0.543 ER0.107 RC0.457 PR0.820
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #TP0.476 TN0.983 FP0.017 FN0.524 ER0.102 RC0.476 PR0.847
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #TP0.530 TN0.972 FP0.028 FN0.470 ER0.102 RC0.530 PR0.789
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #TP0.430 IN0.980 FP0.020 FN0.570 ER0.112 RC0.430 PR0.809
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ####result for R=1,0.8 a=0.7(fast;low
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8279.216s(2:17:59.216) ER***PR**F**???old
pplF2x23Glx1.0m0N40b100a1.6R1
pplF4x23Glx1.0m0N40b100a1.6R1
pplF4x23G3x0.5m0N40b100a1.6R1
pplF4x23G3x1.0m0N40b100a1.6R1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3768.561s(1:02:48.560) ER*F*??old
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6.258s(0:43:06.257) N=50Worse
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ####################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .229s(1:01:30.229) b200*ER*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             355 #TPO.752 TNO.988 FP.461s(1:14:51.460) ER*
356 #TPO.766 TNO.986 FP.
.924s(1:13:24.924) ER*RC*F*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ##[3] F4x23 R0.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3839.8338(1:03:59.833)
317 #TP0.476 IN0.98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8525.436s(2:22:05.435)
321 #TP0.520 TN0.96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3460.884s(0:57:40.883)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1625.297s(0:27:05.296)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3445.891s(0:57:25.890)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               344 #TPO.742 TNO.98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ##[2] F4x23 R1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8471.898s(2:21:11.898)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               345 #TP0.736 TN0
.979s(1:13:51.978)
346 #TP0.741 TN0
.546s(0:34:08.546)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         347 #TP0.738 TI
.582s(0:27:52.582)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  326
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          328
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          337
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       327
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

```
38
                                37
                                                                                                                75
                                                                 pP1F4x23G3x1.0N30b100a0.7R0.8 38
                                                                                                                                               pP1F4x23G3x0.5N40b100a1.6R0.8 82
 0N30b100a0.7R0.8
                                  pP1F4x23G3x0.5N30b100a0.7R0.8
                                                                                                                pP1F4x23G3x0.5N30b200a0.7R0.8
pP1F4x23G1x1.
                                                                  k92
 FP0.011 FN0.632 ER0.114 RC0.368 PR0.871 F0.518 k92
                                PRO.847 FO.609 k92
                                                                                                                ER0.102 RC0.474 PR0.842 F0.607 k92
                                                                                                                                                 PRO.807 FO.641 k92
                                                                 PRO.783 FO.608
                                  RC0.476
                                                                  RC0.497
                                                                                                                                                 ER0.099 RC0.532
                                  ER0.102
                                                                  ER0.107
                                  FN0.524
                                                                  FN0.503
                                                                                                                #TP0.474 TN0.982 FP0.018 FN0.526
                                                                                                                                                 FN0.468
                                                               361 #TPO 497 TNO 972 PPO 028 FNO 44.2168(1:04.04.216) RC*
362 #TPO 474 TNO 982 PPO 018 FNO 23.9518(2:05.23.951)?
364 #TPO 532 TNO 974 PPO 026 FNO 79.2168(2:17:99.216) ER**PR**F**
                 PR*
983 FP0.017
                                                   ER*F*
 989
 #TP0.368 TN0.
                                    #TP0.476 TN0.
                                                 68.561s(1:02:48.560)
```

370 #TPO.470 TNO.981 FPO.019 FNO.530 ERO.105 RCO.470 PRO.828 FO.600 k92 pPIF4x23G3x0.5N40b100 4 1:12:16.123) a=0.7 R=0.8 371 #TPO.330 TNO.990 FPO.010 FNO.670 ERO.120 RCO.330 PRO.868 FO.478 k92 pPIF4x23G1x1.0N50b100 4 #TP0.460 TN0.983 FP0.017 FN0.540 ER0.104 RC0.460 PR0.843 F0.595 k92 pp1F4x23G3x0.5N50b100 1:21:23.923) a=0.7 R=0.8 N=50bad 1:21:20.124) 372

3992.138s(#####result for R=1 a=1.6 slow #TP0.764 TW0.982 FP0.018 FN0.236 ER0.049 RC0.764 PR0.875 F0.816 k46 pplF2x23G1x1.0N40bl00 : 1.37) a=1.6 R=1 #TP0.787 TN0.985 FP0.015 FN0.213 ER0.044 RC0.787 PR0.896 F0.838 k92 pplF4x23G3x0.5N40bl00 ! 2:41:22.245) a=1.6 R=1 #[0] 1:06:32.137) 377 374 375 376

379 #[0]
380 #Result for R0.8 a=1.6=slow
380 #Result for R0.8 a=1.6=slow
381 #TP0.77 F0.635 k46 pP1P2x233G1x1N40bl00 3447.047s(0:
57:27.046) ERRAC***
382 #TP0.523 TNO.970 FP0.030 FNO.477 ERO.105 RCO.523 PRO.777 F0.625 k46 pP1P2x23G3x0.2N40bl00 3497.300s(3452.820s(#TP0.420 TN0.978 FP0.022 FN0.580 ER0.115 RC0.420 PR0.794 F0.549 k92 PP1F4x23G1x1.0N40b100 8392.447s(pP1F2x23G3x0.5N40b100 #TP0.516 TN0.975 FP0.025 FN0.484 ER0.101 RC0.516 PR0.807 F0.629 k46 pP1F2x23G3x0.3N4Ob100 #TP0.516 TN0.969 FP0.031 FN0.484 ER0.106 RC0.516 PR0.769 F0.617 k46 pp1F2x23d3x0.4N40b100 #TP0.509 TN0.962 FP0.038 FN0.491 ER0.114 RC0.509 PR0.726 F0.598 k46 pP1F2x23d3x0.7N40b100 #TP0.537 TN0.967 FP0.033 FN0.463 ER0.105 RC0.537 PR0.764 F0.631 k46 ER0.112 RC0.437 PR0.798 F0.565 k92 FN0.563 #TP0.437 IN0.978 FP0.022 0:57:32.820)ER** 0:58:35.320) 0:58:20.132) 0:58:38.382) 2:19:52.447) 0:58:17.300) 387 383 384 386 389 385

s(4:03:42.619) 395 #TPO.473 TNO.975 FPO.025 FNO.527 ERO.108 RCO.473 PRO.793 FO.592 K138 PPLF6x23G3xO.5N40b100 15023.247 s(4:03.23.247) 396 #TPO.519 TNO.971 FPO.029 FNO.481 ERO.104 RCO.519 PRO.784 FO.624 K138 PPLF6x23G3xO.7N40b100 14785.650 14622.620 15313.228 15263.163 8279.216s(s(4106:25_649)
397 #TPD.526 TNO.971 FPD.029 FNO.474 ERO.103 RCO.526 PRO.786 FO.630 K138 pPLF6x23G3x0.8N40bl00
s(4:06:14.534)
398 #TPD.526 TNO.970 FPD.030 FNO.474 ERO.104 RCO.526 PRO.781 FO.628 K138 pPLF6x23G3x0.9N40bl00 s(4:15:13:227) 399 #TPO.513 TNO.967 FPO.033 FNO.487 ERO.109 RCO.513 PRO.757 FO.611 k138 pP1F6x23G3x1.0N40b100 pP1F6x23G1x1.0N40b100 TWO.974 FPO.026 FWO.468 ERO.099 RCO.532 PRO.807 FO.641 k92 pplF4x23G3x0.5N40b100 #TP0.537 TN0.964 FP0.036 FN0.463 ER0.107 RC0.537 PR0.747 F0.625 k92 pP1F4x23G3x1.0N4Ob100 pP1F4x23G3x0.7N40b100 FP0.017 FN0.603 ER0.115 RC0.397 PR0.824 F0.536 k138 2:17:59.216) ER***PR**F** 391 #TP0.517 TNO.966 FP0.034 FNO.483 ER0.109 RCO.517 PR0.754 F0.613 k92 #TP0.397 TN0.983 #TP0.532 2:21:56.602) RC' s(4:14:23.162) 2:20:29.563) 2:20:18.223) 391 390 392 393

23445.095 23566.317 #TP0.483 TN0.967 FP0.033 FN0.517 ER0.113 RC0.483 PR0.747 F0.587 k184 pP1F8x23G3x1.0N4Ob100 s(6:30:45.094) 402 #TP0.487 TNO.971 FP0.029 FNO.513 ERO.110 RCO.487 PRO.769 FO.596 K184 pP1F8x23G3xo.9N40b100 0:32:46:31v. 403 404 #TP0.468 TNV 17:14.811) 405 406 407 408 #F 400

rPlF10G3x0.5N40b100 к60 PRO.617 FO.533 RC0.468 FN0.532 ER0.137 FP0.058 TN0.942 #optimize nX for rP1 #TP0.388 TNO.937 FP0.063 FNO.612 ER0.154 RC0.388 PR0.553 F0.456 K32 rP1F8G1x1N40b100 2278.208s(0:37:

:27.862) ERFF* for rpl 415 HPO.427 TNO.968 FPO.032 FNO.573 ERO.117 RCO.448 PRO.752 FO.562 k98 rPIF14G1x1N40b100 9087.862s(2:31 11:22.554) 426 #TP0.537 TN0.969 FP0.031 FN0.463 ER0.103 RC0.537 PR0.775 F0.635 K46 pP1F2x23G1x1N40b100 3447.047s(0: 57:27.046) ERFRC** #TPO.431 TNO.940 FPO.060 FNO.569 ERO.144 RCO.431 PRO.591 F0.499 K55 xP1F11G1x1N40b100 4164.025s(1:09 413 #TPO.405 TNO.953 FPO.047 FNO.595 ERO.138 RCO.405 PRO.635 FO.495 K78 rPIF13G1x1N40b100 6489.820s(1:48 424 #TPO.514 TNO.970 FPO.030 FNO.486 ERO.106 RCO.514 PRO.774 FO.618 k42 pPIF2x21G1x1N40b100 3113.306s(0: 51:53.305) F0.612 k92 pPcbF2x23G1x1N40b100 8396.233s(2 443 #TP0.533 TN0.970 FP0.030 FN0.467 ER0.103 RC0.533 PR0.780 F0.633 K38 pPlF2x19G1x1N40b100 2807.666s(0: #TP0.438 TN0.973 FP0.027 FN0.562 ER0.116 RC0.438 PR0.767 F0.558 K72 PP1F4X18G1X1N40b100 5981.384s(1: 447 #TP0.431 TN0.975 FP0.025 FN0.569 ER0.116 RC0.431 PR0.774 F0.554 k144 pPcbF4x18G1x1N40b100 16032.4248 (4:27:12.424) 449 #TPO.404 TNO.952 FPO.048 FNO.596 ERO.139 RCO.404 PRO.629 FO.492 K72 rPIF12G1x1N40b100 5744.459s(1:35 #TP0.420 TN0.951 FP0.049 FN0.580 ER0.137 RC0.420 PR0.633 F0.505 K72 rPcF12G1x1N40b100 5968.307s(1:39 #TP0.438 TN0.961 FP0.039 FN0.562 ER0.126 RC0.438 PR0.694 F0.537 K144 rPcbF12G1x1N40b100 15860.4588(4 454 #TP0.519 TNO.955 FP0.045 FNO.481 ER0.118 RC0.519 PRO.696 F0.594 k72 pP1F4x18G3x1N40b100 6189.662s(1:43:09.661) pP1bF4x18G3x1 in can2m/speech #TP0.437 TN0.947 FP0.053 FN0.563 ER0.138 RC0.437 PR0.621 F0.513 K50 rP1F10G1x1N40b100 3701.592s(1:01 #TP0.423 TN0.972 FP0.028 FN0.577 ER0.119 RC0.423 PR0.754 F0.542 k128 rP1F16G1x1N40b100 13337.664s(3: #Optimize na for pP1 #TP0.521 TN0.962 FP0.038 FN0.479 ER0.111 RC0.521 PR0.734 F0.610 k36 pP1F2x18G1x1N40b100 2570.162s(0: #TP0.519 TN0.966 FP0.034 FN0.481 ER0.108 RC0.519 PR0.754 F0.615 k40 pP1F2x20G1x1N40b100 2956.958s(0: #TP0.526 TN0.963 FP0.037 FN0.474 ER0.110 RC0.526 PR0.738 F0.614 k48 PP1F2x24G1x1N40b100 3626.286s(1: #TPO.533 TNO.970 FPO.030 FNO.467 ERO.103 RCO.533 PRO.780 FO.633 k38 ppIF2x19G1x1N40b100 2807.666s(0: #TP0.487 TN0.958 FP0.042 FN0.513 ER0.120 RC0.487 PR0.701 F0.575 K38 pPcF2x19G1x1N40b100 2757.566s(0: 433 #TP0.506 TN0.970 FP0.030 FN0.494 ER0.107 RC0.506 PR0.774 F0.612 k76 pPcbF2x19G1x1N40b100 6500.894s(1 435 #TP0.537 TN0.969 FP0.031 FN0.463 ER0.103 RC0.537 PR0.775 F0.635 k46 pP1F2x23G1x1N40b100 3447.047s(0: 446 #TP0.420 TN0.970 FP0.030 FN0.580 ER0.122 RC0.420 PR0.734 F0.534 K72 ppcF4x18G1x1N40b100 6110.470s(1: #TP0.415 TN0.947 FP0.053 FN0.585 ER0.142 RC0.415 PR0.609 F0.494 K168 rPcbF12G3x1N40b100 20114.665s(5 #TP0.394 TN0.938 FP0.062 FN0.606 ER0.153 RC0.394 PR0.558 F0.462 k36 rP1F9G1x1N40b100 2594.752s(0:43: #TP0.418 TN0.983 FP0.017 FN0.582 ER0.111 RC0.418 PR0.834 F0.557 k200 rP1F20G1x1N40b100 26475.142s(7: #TPO.533 TNO.970 FPO.030 FNO.467 ERO.103 RCO.533 PRO.780 FO.633 k38 pPIF2x19G1x1N40b100 2807.666s(0: 428 #TP0.514 TN0.969 FP0.031 FN0.486 ER0.106 RC0.514 PR0.770 F0.617 k50 pp1F2x25G1x1N40b100 3826.842s(1: #TP0.437 TN0.947 FP0.053 FN0.563 ER0.138 RC0.437 PR0.621 F0.513 K50 rP1F10G1x1N40b100 3701.592s(1:01 #TP0.431 TN0.950 FP0.050 FN0.569 ER0.137 RC0.431 PR0.632 F0.513 K100 rPcbF10G1x1N40b100 9191.813s(2) #TP0.517 TN0.967 FP0.033 FN0.483 ER0.108 RCO.517 PR0.757 F0.614 k44 pp1F2x22G1x1N40b100 3289. #TP0.404 TN0.952 FP0.048 FN0.596 ER0.139 RC0.404 PR0.629 F0.492 k72 xP1F12G1x1N40b100 ER0.106 RC0.501 PR0.785 #TP0.501 TN0.972 FP0.028 FN0.499 46:47.666) ER*PR 57:27.046) **** 21:15.142) ER* 418 #??? :48:20.893) :35:14.664) :19:56.232) :24:20.458) 54:49.598) 46:47.666) 33:11.812) 42:17.664) 00:26.286) 03:46.841) 45:57.565) 42:50.162) 39:41.383) 41:50.469) 439 #' :41.592) :44.458) :28.306) 411 # :24.025) :09.819) :44.458) :41.592) 422 423 432 434 440 452 14.751) 427 436 448 438 441

456 #TP0.403 TN0.965 FP0.035 FN0.597 ER0.129 RC0.403 PR0.697 F0.510 k54 pP1F3x18G1x1N40b100 4068.466s(1:

readmecan2mspeech.txt Dec 05 2019 13:52:41

42:56.463 hlznorm 42:50.1627 nlznorm 42:56.683 ppcFZX18GIXIN40bl00 2574.733s(0:365.466.15) nlznorm 52 ppc.574.733s(0:366.4.732) nlznorm 52 ppc.574.733s(0:366.4.732) nlznorm 52 ppc.574.732 nlznorm 52 ppc.574.732 nlznorm 52 ppc.574.732 nlznorm 52 ppc.575 p #?? #??#TP0.491 TN0.949 FP0.051 FN0.509 ER0.127 RC0.491 PR0.658 F0.563 k18 pP1_1x18N40b100 1309.965s(0:2 488 #77#TP0.507 TN0.964 FP0.036 FN0.493 ER0.112 RC0.507 PR0.738 F0.601 k36 pPl_2x18N50b100 3066.879s(0:51.06.878) b100N50 rPl_2x18 in can2m191122 489 #?? 490 #??#TPO.434 TNO.973 FPO.027 FNO.566 ERO.117 RCO.434 PRO.761 FO.553 k72 pPl_4x18N40b100 5943.480s(1:3 462 #TP0.362 TN0.914 FP0.086 FN0.638 ER0.178 RC0.362 PR0.458 F0.404 k32 rPcP6GlxLN40b100 2283.179s(0:38: 03.178) 463 #TP0.351 TN0.926 FP0.074 FN0.649 ER0.170 RC0.351 PR0.488 F0.408 k64 rPcbF8GlxLN40b100 5000.816s(1:23 475 ##79#TP0.331 TN0.948 FP0.052 FN0.669 ER0.155 RC0.331 PR0.561 F0.416 k72 pPcbF2x18G1x1N40b100 5557.163 s(1:32:37.163) #??#TP0.408 TN0.976 FP0.024 FN0.592 ER0.119 RC0.408 PR0.770 F0.534 k108 pP1_6x18N40b100 10127.507s(2 #??#TP0.474 TN0.941 FP0.059 FN0.526 ER0.137 RC0.474 PR0.618 F0.536 k18 ppl_1x18 1119.838s(0:18:39.83 #??#TP0.493 TN0.959 FP0.041 FN0.507 ER0.118 RC0.493 PR0.708 F0.581 k36 pp1_2x18 6094.982s(1:41:34.98 #??#TP0.375 TN0.958 FP0.042 FN0.625 ER0.139 RC0.375 PR0.641 F0.473 K54 PP1_3x18 3222.493s(0:53:42.49 499 #??#TP0.427 TN0.974 FP0.026 FN0.573 ER0.117 RC0.427 PR0.768 F0.549 K72 pp1_4x18 4390.628s(1:13:10.62 478 #??#TPO.514 TNO.965 FPO.035 FNO.486 ERO.110 RCO.514 PRO.748 FO.610 k36 pP1_2x18N40b100 2578.463s(0:4 479 #??#TP0.344 TN0.936 FP0.064 FN0.656 ER0.162 RC0.344 PR0.519 F0.414 K72 pPcb_2x18N40b100 5835.279s(1: ER0.137 RC0.504 PR0.606 F0.550 k36 pPc_2x18N40b100 2624.876s(0:4 492 #?? 493 #??#TP0.408 TN0.976 FP0.024 FN0.592 ER0.119 RC0.408 PR0.770 F0.534 K108 pP1_6x18 10127.507s(2:48:47. #??#TPO.375 TNO.971 FPO.029 FNO.625 ERO.128 RCO.375 PRO.724 FO.494 k90 pPL_5x18 5237.775s(1:27:17.77 #??#TPO.448 TNO.927 FPO.073 FNO.552 ERO.153 RCO.448 PRO.551 FO.494 k36 ppc_2x18 6677.294s(1:51:17.29 #??#TP0.321 TN0.936 FP0.064 FN0.679 ER0.167 RC0.321 PR0.499 F0.391 K72 pPcb_2x18 Time12569.152s(3:29 #??#TP0.381 TN0.983 FP0.017 FN0.619 ER0.118 RC0.381 PR0.813 F0.519 k496 rP1_?x? Time62833.130s(17:27 #??#TP0.510 TN0.967 FP0.033 FN0.490 ER0.109 RC0.510 PR0.757 F0.610 k36 pP1_2x18N40b400 10424.659s(2: ER0.110 RC0.514 PR0.748 F0.610 k36 pP1_2x18N40b100 #??#TP0.504 TN0.934 FP0.066 FN0.496 #??#TP0.514 TN0.965 FP0.035 FN0.486 482 #r. 483 #?? 484 #? PPPO.510 TNu.. 53.44.659 b400N40 *** 485 #?? 486 #??#TPO.491 TV 655 #??#TPO.491 TV 655 #??#TPO.491 TV 655 #??#TPO.491 TV #??R=0.8 b40 N100 2:58.463) bl00N40 07:48.465) ?? 507) bl00N40 494 #?? 500 #??#7 nr5 na18 501 #?? 502 #??#7 #55 :48:47.507) 37:15.278) :29.152) 505 #? :13.129) 506 #? 3:44.876) 2:58.463) 9:03.479) :20.815) 503 497 498 495 491 476 480 481 1 8 5 4

Page 9

```
#(1) 混合音声作成 by mkg.py
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #echo "ymin=$ymin" > $log
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              python mkq.py-sql 1
#no fibs-hachis for R1
#no mmt-san2 for R1
#no fm-hachis for R0.8
#no mmt-san2 for R0.8
#no fm-san2 for R0.6
#no fm-san2 for R0.6
#no mmt-san2 for R0.4
#no mmt-san2 for R0.7
#no fibs-hachis for R0.7
#no fibs-hachis for R0.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ls $dq/*-p.dat
ls $dp/*-poles0.dat #
ls $df/*-q2.eps*
ls $df/*-pples0-*.eps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #(0.2)パワー正規化
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /mmt-san2.dat -ymin 0
593 ## 11) 混合音声作554 dl= ././l2voice
595 dn= ././l2voice
596 dn= $(dl)_m.mkdi
597 #dm=$(dl)_m.mkdi
598 #dp=$(dl)_m.mkdi
599 #dq=$(dl)_m.mkdi
600 #df=$(dl)_£; mkdi
601 #nohup python mk
603 #python mkg.py
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ymin=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               586
587
588
589
590 #
                                                    6:1 N100
6:1 N100
                                                                                                                :1 N100
                                                                                                                                                                    :1 N100
                                                                                                                                                                                                  612
6113
6114
6114
6117
6210
622
622
622
623
623
623
                                                                                     560
                                                                                                                                          561
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  作成
                                                                                                                                                                                                                                                                                                                                                                                                                                                      #n.m.R.RX.mbas.N
518 #??0.330 0.982 0.018 0.670 0.125 = 33 497 9 67 76 # 606 mko 0.8 0 2:40:1.6:1 100 #TP.TN.FP.FN.ER=...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #n,m,R,RX,mbas,N
151 #7:0323 0.988 0.012 0.677 0.124 = 32 484 6 67 73 # 589 mmt 0.8 0 2:40:1.6:1 100 #TP,TN,FP,FN,ER=...
#n,m,R,KX,mbas,N
#n,m,R,RX,mbas,N
520 #??0.340 0.953 0.047 0.660 0.149 = 34 482 24 66 90 # 606 mnh 0.8 0 2:40:1.6:1 100 #TP,TN,FP,FN,FR=..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #??#result for nr=2 na=18 #same as old feature vector q #??cat ../../12voicedata_ueki_all_k8/speaker-verif-result-pPc.dat #oob prediction of training data F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         535 #??0.465 0.957 0.043 0.535 0.113 = 46 573 26 53 79 #TP,TN,FP,FN,ERR n698 m=fhs R0.8 RX0 mbas2:40:1.6
:1 N100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    536 #??0.580 0.958 0.042 0.420 0.096 = 58 573 25 42 67 #TP,TN,FP,FN,ERR n698 m=fms R0.8 RXO mbas2:40:1.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      537 #??0.620 0.945 0.055 0.380 0.102 = 62 565 33 38 71 #TP,TN,FP,FN,ERR n698 m=mkk R0.8 RXO mbas2:40:1.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        545 #??0.455 0.970 0.030 0.545 0.103 = 45 581 18 54 72 #TP,TN,FP,FN,ERR n698 m=fhs R0.8 RXO mbas2:40:1.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  546 #??0.390 0.972 0.028 0.610 0.112 = 39 581 17 61 78 #TP,TN,FP,FN,ERR n698 m=fms R0.8 RXO mbas2:40:1.6
:1 N100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             548 #??0.550 0.963 0.037 0.450 0.096 = 55 576 22 45 67 #TP,TN,FP,FN,ERR n698 m=mko R0.8 RXO mbas2:40:1.6
:1 N100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 551 #??0.340 0.972 0.028 0.660 0.119 = 34 581 17 66 83 #TP,TN,FP,FN,ERR n698 m=mym R0.8 RXO mbas2:40:1.6
:1 N100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #??cat ../../12voicedata_ueki_all_k8/speaker-verif-result-pPcb.dat
#??0.313 0.977 0.023 0.687 0.117 = 31 585 14 68 82 #TP.TN.FP.FN.ERR n698 m=fhs R0.8 RX0 mbas2:40:1.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    556 #??0.510 0.931 0.069 0.490 0.129 = 51 557 41 49 90 #TP,TN,FP,FW,ERR n698 m=fms R0.8 RXO mbas2:40:1.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #??0.630 0.933 0.067 0.370 0.110 = 63 558 40 37 77 #TP,TN,FP,FN,ERR n698 m=mkk R0.8 RX0 mbas2:40:1.6
                                                        PRO.648 F0.544 k90 pPc_5x18 Time5451.207s(1:30:5
                                                                                                                                                                                                                                                   514 #??#TPO.375 TNO.971 FPO.029 FNO.625 ERO.128 RCO.375 PRO.744 FO.494 k90 FD:ppl Time5237.775s(1:27:17. 774) nrS hand a #??#TPO.444 0.955 0.045 0.556 0.130 = 44 472 22 55 77 # 593 fhs 0.8 0 2:40:1.6:1 100 #TP.TN.PP.FN.PP.FN.BE...
                                                                                                                                                                                                                                                                                                                                         #n,m,R,RX,mbas,N
516 #??0.420 0.963 0.037 0.580 0.126 = 42 491 19 58 77 # 610 fms 0.8 0 2:40:1.6:1 100 #TP,TN,FP,FN,ER=..
                                                                                                                                                                                                                                                                                                                                                                                                                        #??0.550 0.976 0.024 0.450 0.093 = 55 498 12 45 57 # 610 mkk 0.8 0 2:40:1.6:1 100 #TP.TN,FP.FN,FR=..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #??NG #result includes weight0.2-self-speakers
#??0.481 0.956 0.044 0.519 0.123 #mean TP TN PP FN ERR k36 FD:pPl Time2014.950s(0:33:34.949) nr2na18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        547 #??0.550 0.965 0.035 0.450 0.095 = 55 577 21 45 66 #TP,TN,FP,FN,FRR n698 m=mkk R0.8 RX0 mbas2:40:1.6
                                                                                                                #??#TPO.375 TNO.950 FPO.050 FNO.625 ERO.146 RCO.375 PRO.600 FO.462 K180 pPcb_5x18 Time13435.993s(3:4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #770.220 6.983 0.017 0.780 0.150 = 22 466 8 78 86 # 574 mym 0.8 0 2:40:1.6:1 100 #TP.TN,FP.FN,ER=...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #11,m.R.RX.mbas.N
#11,m.R.PR. m.R.P?#TP0.375 TN0.971 FP0.029 FN0.625 ER0.128 RC0.375 PR0.724 F0.494 k90 FD:pP1 Time5237.775s(1:27:17.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  538 #??0.420 0.928 0.072 0.580 0.145 = 42 555 43 58 101 #TP,TN,FP,FN,ERR n698 m=mko R0.8 RXO mbas2:40:1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #??0.370 0.935 0.065 0.630 0.146 = 37 559 39 63 102 #TP, TN,FP,FN,ERR n698 m=mnh R0.8 RXO mbas2:40:1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #??0.140 0.948 0.052 0.860 0.168 = 14 567 31 86 117 #TP,TM,FP,FN,ERR n698 m=mko R0.8 RXO mbas2:40:1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #??0.260 0.923 0.077 0.740 0.172 = 26 552 46 74 120 #TP,TN,FP,FN,ERR n698 m=mym R0.8 RXO mbas2:40:1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   544 #??cat ../../12voicedata_ueki_all_k8/speaker-verif-result-pp1.dat #oob prediction of training data
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #??0.222 0.935 0.065 0.778 0.166 = 22 560 39 77 116 #TD,TN,FP,FV,ERR n698 m=mmt R0.8 RX0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #??#result includes weight0.2-self-speakers
#??0-444 0.967 0.033 0.556 0.107 #mean TP TN FP FN ERR PPL
#??0-420 0.940 0.060 0.580 0.134 #mean TP TN FP FN ERR PPC
#??0.302 0.949 0.051 0.698 0.143 #mean TP TN FP FN ERR PPC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      552 #??0.444 0.967 0.033 0.556 0.107 #mean TP IN FP FN ERR 553 #?? 554 #??0at. ./../l2voicedata_ueki_all_k8/speaker-verif-ress 554 #??0at. 0.977 0.023 0.687 0.117 = 31 585 14 68 82 #IP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #??0.420 0.940 0.060 0.580 0.134 #mean TP TN FP FN ERR
                                                        FN0.532 ER0.131 RC0.468
                                                        FP0.051
                                                        #??#TP0.468 TN0.949
                                                                           1.206) nr5 na18
510 #??#TP0.375
3:55.993) nr5 na18
                                                                                                                                                                                                                                                                                                                                                                                    .#n,m,R,RX,mbas,N
517 #??0.550 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .#n,m,R,RX,mbas,N
521 #??0.220 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6:1 N100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6:1 N100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    6:1 N100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6:1 N100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    :1 N100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  :1 N100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              :1 N100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  542
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          539
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  D:pPc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 D:pPc
```

```
#2?0.350 0.946 0.054 0.650 0.139 = 35 566 32 65 97 #TP,TN,FP,FN,ERR n698 m=mnh R0.8 RXO mbas2:40:1.6
                                                                                                              #??0.060 0.946 0.054 0.940 0.181 = 6 566 32 94 126 #TD,TN,FP,FN,ERR n698 m=mym R0.8 RX0 mbas2:40:1.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #??0.111 0.960 0.040 0.889 0.160 = 11 575 24 88 112 #TP,TN,FP,FN,ERR n698 m=mmt R0.8 RXO mbas2:40:1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #python mkg.py -R 0.8 -S fms -D zero -L 9 -DISP 10 #fms-zero9.dat とランダムに選んだ異話者のデータを
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #python mkg.py -R 0.4 -S fms -D zero -L 9 -DISP 10 #fms-zero9.dat とランダムに選んだ異話者のデータを
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 for s in fhs fms mkk mko mmt mnh mym; do for d in zero ichi ni san al go roku nana hachi kyu rei yon sichi ku; do for l in l 2 3 4 5 6 7 8 9 10; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                            d0=-/sotu/2012/12voicedata_ueki/
d1=..12voicedata_ueki_all: mkdir -p $dl
for d in zero ichi ni san si go roku nana hachi kyu rei yon sichi ku;
ln -s ${d0}/${d|/* ${d1}.
                                                                                                                                                                                                                                                                                                                                                                                                                                 d0=/media/sf_C_DRIVE/cdata/kurolab/data/12voicedata_ueki/12voicedata
                                                                                                                                                                                                                                                                                                                                   #??0.302 0.949 0.051 0.698 0.143 #mean TP IN FP FN ERR pPcb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      dn=${dl}_n; mkdir -p $dn #save normalized speech signal
log=$dn/normalize.log
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #(2) check whether necessary files exist or not.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      di=./../l2voicedata_ueki_all;
6 #dn=s(dl)_miwdir_p 6dn #mormalized
6 #dn=s(dl)_miwdir_p 6dn #mormalized
#dp=s(dl)_miwdir_p 6dn #mixed signal
#dp=s(dl)_miwdir_p 6dn #poles
9 #dq=s(dl)_gimkdir_p 8dd #pole new
#dp=s(dl)_gimkdir_p 8dd #pole new
#dp=s(dl)_fi mkdir_p 8dd #pole new
#dp=s(dl)_fi mkdir_p 8dd #figs
#nohup python mkg.py -DISP 10&
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            מ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #feature vector
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                echo $cmd; $cmd >> $log
```

```
ymin=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             :100 DISP:1"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         760 #
700
700
700
700
700
700
700
710
711
711
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              717
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   652 cp.../lZvoicedata_ueki_all_q/speaker-verif-result.dat $f.dat
653 cp.../lZvoicedata_ueki_all_q/speaker-verif-result.dat
654 set xtics ('fHS' 0, 'fMS' 1, 'mKK' 2, 'mKO' 3, 'mMT' 4, 'mMH' 5, 'mXW' 6, 'mean' 7)
655 set term postscript eps enhanced color; set output "$f.eps";
655 set term postscript eps enhanced color; set output "$f.eps"; "" using 0:4 w lp lt l lw
656 plot [1:0.7] "$f.dat "sing 0:3 w lp lt l lw 2 pt 8 lc rgb "blue" t "pp", "" using 0:4 w lp lt l lw
657 set term tgif; set output "$f.obj";replot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       tmp/SV-R10 #0.938 0.926 #mean for NR=7 RS=(10)0.938 0.987 0.013 0.062 0.020 #mean TP TN FP FN ERR f=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      692 tmp/SV-R6 #0.468 0.885 #mean for NR=7 Rs=(6) 0.468 0.977 0.023 0.532 0.160 #mean TP TN FP FN ERRkur constrolab-VB:-/sotu/2018/can2b12$ f=tump/SN-R6 693 tmp/SV-R4 #0.480 0.833 #mean for NR=7 Rs=(4) 0.480 0.965 0.035 0.520 0.162 #mean TP TN FP FN ERRkur constrolab-VB:-/sotu/2018/can2b12$ f=tump/SV-R2 #0.480 0.965 0.035 0.534 0.162 #mean TP TN FP FN ERRkur constrolab-VB:-/sotu/2018/can2b12$ f=tump/SV-R2 #0.460 0.825 #mean for NR=7 Rs=(2) 0.466 0.964 0.036 0.534 0.169 #mean TP TN FP FN ERRkur constrolab-VB:-/sotu/2018/can2b12$ f=tump/SV-R2 #0.460 0.854 mean for NR=7 Rs=(2) 0.466 0.964 0.035 0.546 0.172 #mean TP TN FP FN ERRkur constrolab-VB:-/sotu/2018/can2b12$ f=tump/SV-R2 #0.460 0.865 0.035 0.546 0.172 #mean TP TN FP FN ERR f= 695 tmp/SV-R2 #0.464 0.833 #mean for NR=7 Rs=(1) 0.454 0.965 0.035 0.546 0.172 #mean TP TN FP FN ERR f=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -mbas $mbas -dir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    669 sex txics (first) of 'TMS' 1, 'TKK' 1, 'TK' 2, 'TK' 6, 'TMO' 3, 'TMN' 5, 'TMN' 6, 'TMS' 7, 'TMS' 1, 'TMS' 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 tmp/SV-R8 #0.483 0.899 #mean for NR=7 Rs=(8) 0.483 0.980 0.020 0.517 0.152 #mean TP TN FP FN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cmd="python oob4speakerdigit+RX_20180602.py -sp $S -tx $D -L $L -R $R -RX $RX -K 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cat .../12voicedata_ueki_all_g/speaker-verif-result.dat 0.938 0.987 0.013 0.062 0.020 #mean TP TN FP FN f=tmp/SV-R10
                                                                                                                                                   dn=${dl}_n; mkdir _p$dn #normalized
dn=${dl}_m; mkdir _p$dm #mixed signal
dq=${dl}_q; mkdir _p$dm #mixed signal
dq=${dl}_q; mkdir _p$dq #pole new
$X=1;a=1.6;b=10;N=40;# for short time check
sX=-1;a=1.6;b=40;N=100; #
                                                                                                                                                                                                                                                                                                                                                                                                                                   D=zero:iohi:ni:san:si:go:roku:nana:haohi:kyu
S=fhs:fms:mkk:mko:mmt:mnh:mym
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    gv %f-RP.eps&
cp %f-RP.* -/18iconip/iconipl8speech/draft
gv %f-RPA.* -/18iconip/iconipl8speech/draft
cp %f-RPA.* -/18iconip/iconipl8speech/draft
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             echo -n "$f "; tail -1 $f-RP.dat
                                                                                                                       dl=../12voicedata_ueki_all;
                                                                                                                                                                                                                                                                                                                                                         mbas=2:${b}:${a}:1
L=1:2:3:4:5:6:7:8:9:10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             697 ##############
698 #20180606 まとめ
699 (0.1)リンク作成
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                -1 -N ${N} -sX ${sX}"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               for R in ${Rs[@]} ;do
#no mmt-san2 for R0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gnuplot tmp/tmp.plt
gv $f.eps&
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        gnuplot tmp/tmp.plt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         make data-clean
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        f=tmp/SV-R$ [R]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                f=tmp/SV-R8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      R=1; RX=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #####
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                quit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            tmp/SV-R10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               tmp/SV-R8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               tmp/SV-R1
                                                                                                                                                        648
649
650
651
653
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          691
```

readmecan2mspeech.txt	
Dec 05 2019 13:52:41	

```
7.17 done
7.18 terr with python speechnormalize.py -yin ../12voicedata_ueki_all/mmt-san2.dat -yout ../12voicedata_u
4.241.ynm-aan2.dat -ymin 100
7.79 snuplor
7.70 plot .../12voicedata_ueki_all_n/normalize.log using 0:1 w 1
7.72 quit
7.72 quit
7.72 quit
7.72 quit
7.73 propio
7.74 quit
7.75 plot .../12voicedata_ueki_all_n/normalize.log using 0:1 w 1
7.75 plot .../12voicedata_ueki_all_n/normalize.log using 0:1 w 1
7.75 plot .../12voicedata_ueki_all_n/normalize.log using 0:1 w 1
7.75 quit
7.75 plot .../12voicedata_ueki_all_n/normalize.log |
7.75 da=8(dl) in midth epi-decenderial.ps |
7.76 da=8(dl) in midth epi-decenderial.ps |
7.77 da=8(dl) in midth epi-decenderial.ps |
7.78 da=8(dl) in midth epi-decenderial.ps |
7.79 da=8(dl) in midth epi-decenderial.ps |
7.90 decenderial.ps |
7.90 de
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   sleep 3 cmd*"wv tup/q.obj \{df\}/\xi\{sm\}-q.obj",echo\ \xicmdi$cmd #not effective any more ->q2 cmd*"wv tup/q.eps \{df\}/\xi\{sm\}-q.eps",echo\ \xicmdi$cmd cmd="wv tup/_sprecog-\xi\{sm\}-poles0-n\xi\{N\}.obj\ \xidf\}/sprecog-<math>\xi\{sm\}-poles0-n\xi\{N\}.obj\ \xidf\}/sprecog-<math>\xi\{sm\}-poles0-n\xi\{n\}\}.obj \xi\{df\}/sprecog-\xi\{sm\}-poles0-n\xi\{n\}\}.obj \xi\{df\}/sprecog-\xi\{sm\}-poles0-n\xi\{n\}\}.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              for s in fhs fms mkk mko mmt mnh mym; do for d in zero ichi ni san si go roku nana hachi kyu rei yon sichi ku; do for l in 1 2 3 4 5 6 7 8 9 10; do con a con (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2) + (2 + 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      nr:2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                echo "$cmd"; $cmd
cmd="mkpoleptv2+ st:$sm k:8 Np:24 dir:tmp dir2:${dm} dout:${dq} rsa:2:20 tt:0:400 nt:18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 go
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 for 1 in 1 2 3 4 5 6 7 8 9;
                                                                                                                                             g
                                                                      dl=../l2voicedata_ueki_all; mkdir -p $dl
for d in zero ichi ni san si go roku nana hachi kyu rei yon sichi ku;
ln -s ${d0}/*8{d1}* ${d1}.
d0=/media/sf_C_DRIVE/cdata/kurolab/data/12voicedata_ueki/12voicedata
                                                                                                                                                                                                                                                                                                                           #(0.2)/fワー正規化
dn=${d1}_n; mkdir -p $dn #save normalized speech signal
log=$dn/normalize.log
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #for s in ${S[@]}; do
# for d in ${D[@]}; do
# for lin ${L[@]}; do #for l in 'seq 19'; do #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cmd="cp tmp/*-poles0.dat ${dp}/";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         echo $cmd; $cmd >> $log
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #echo "ymin=$ymin" > $log
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     echo $cmd;$cmd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           echo $cmd;$cmd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       r_max:2 DISP:1"
763 # ech
765 # ech
765 # ech
765 # ech
766 # ech
766 # cmd="767"
768 # cmd="767"
```

readmecan2mspeech.txt

```
sm=${f%.dat}} cmd="poledistribv2+ st:${sm} N:24 k:8 m:poles4 dir:${dm} rsa:2:0.7:1:20 DiffMode:0 tt:0:400 T:100 D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        924 poledistribv2 sp:${s2} tx:${d2}${12} N:24 K:8 m:poles4 dir:$dn rsa:2:0.7:1:20 DISP:1 DiffMode:0 tt:0 :400 T:100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 for s in fhs fms mkk mko mmt mnh mym; do
   for d in zero ichi ni san si go roku nana hachi kyu rei yon sichi ku; do
   for l in 10; do
   for l in 1 2 3 4 5 6 7 8 9 10; do
   cmd="python speechnormalize.py -yin ${d1}/${s}-${d}${1}.dat -yout ${dn}/${s}-${d}${1}.dat -ymi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                poledistribv2 sp:${s1} tx:${d1}${11} N:24 K:8 m:poles4 dir:$dn rsa:2:0.7:1:20 DISP:1 DiffMode:0 tt:0
                                                                                                                                                                                                                                                                                                                                                                                                      cmd="mkpoleptv2+ st:\$sm k:8 Np:24 dir:tmp dir2:\$\{dm\} dout:\$\{dq\} rsa:2:20 tt:0:400 nt:18 nr:2 r_max:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 925 poledistribv2+ st:${sm} N:24 k:8 m:poles4 dir:$dn rsa:2:0.7:11:20 DISP:1 DiffMode:0 tt:0:400 T:100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       \#(0) power normalization of speech; see the log to see the original difference of the power holds \{d1\}_{1}, widir -p \xi dn \#save normalized speech signal \|ds\|_{2} \xi dn, \|ds\|_{2} \xi dn, \|ds\|_{2} \xi dn, \|ds|_{2} \|d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     916 set term postscript eps enhanced color; set output "tup/tup.eps"; 917 plot "$dn${11}-${41}-${41}${11}.dat" using 0:1 w 1, "$dn/${82}-${42}${12}.dat" using 0:1 w 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  \label{eq:control_of_control} d0 = /media/sf_C_DRIVE/codata/kurolab/data/12voicedata_ueki_all: medir - p $dl = ...12voicedata_ueki_all: medir - p $dl for d in zero ichi ni san si go roku nana hachi kyu rei yon sichi ku: ln - s $\{d0\}/$\{d]/* $\{d1/* $\{d1\}/* $dl]/* $dl]/ $dl]/* $dl]/ $dl]/* $dl]/* $dl]/* $dl]/* $dl]/* $dl]/* $dl]/* $dl]/* $dl]/ 
                                                                                                   $dm/*.dat' ; do #for f in 'ls $dm/fhs-gol-R1*' ; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #(1) \( \mathbb{I} \times \mathbb{V} \) from Tagomori from here \( \mathbb{H} \mathbb{H}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  echo $cmd; $cmd >> $log
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    gnuplot tmp/tmp.plt
                                                                                                                                                                                                                                                                                                                                                        echo "$cmd"; $cmd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20180226+20180209
                                                                                                                                                       make data-clean
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         echo $cmd;$cmd
                                                                                                   for f in 'ls
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #20180531
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ymin=0
     done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #(2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     :400 T:100
                                                                                                                                                                                                                                                                                                                                                                                                                                                           2 DISP:0"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      n $ymin"
890
891
892
893 dc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           918
919
920
921
                                                                                                                                                                                                                                                                                                   ISP:0"
858
859
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    852
853
854
855
855
856
857
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cma="python speechmix.py -y0 $dn/${a}-${d}${1}.dat -y1 $dn/${s2}-${d2}${12}.dat -r $r" echo "$cmd>$dm${sm}.dat"; $cmd > $dm/${sm}.dat" at "scmd>$dm/${sm}.dat" at "scmd>$dm/${sm}.dat" at "scmd>$dm/${sm}.dat or "scmd>$dm/${sm}.us=:2:0.7:1:20 DiffMode:0 tt:0:40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          nr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         sleep 3 cmd="wv tmp/q2.obj \xi\{df\}/\xi\{sm\}-q2.obj".echo\cmd="wv tmp/q2.obj \xi\{df\}/\xi\{sm\}-q2.obs".echo\cmd="wv tmp/q2.eps \xi\{df\}/\xi\{sm\}-q2.obt".echo\cmd="wv tmp/q2.dat \xi\{df\}/\xi\{sm\}-q2.obt".echo\cmd="wv tmp/g2.dat \xi\{df\}/\xi\{sm\}-poles0-N\xi\{N\}.obj\gcmd; \xi(mf)-poles0-N\xi\{n\}-poles0-N\xi\{n\}-poles0-N\xi\{n\}-poles0-N\xi\{n\}-poles0-N\xi\{n\}-poles0-N\xi\{n\}-poles0-N\xi\{n\}-poles0-N\xi\{n\}-poles0-N\xi\{n\}-poles0-N\xi\{n\}-poles0-N\xi\{n\}-poles0-N\xi\{n\}-poles0-N\xi\{n\}-poles0-N\xi\{n\}-poles0-N\xi\{n\}-poles0-N\xi\{n\}-poles0-N\xi\{n\}-poles0-N\xi\{n\}-poles0-N\xi\{n\}-poles0-N\xi\{n\}-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-poles0-pole
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cmd="mkpoleptv2+ st:$sm k:8 Np:${N} dir:tmp dir2:${dm} dout:${dq} rsa:2:20 tt:0:400 nt:18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cat $f[awk '{q[NR]=$1:}}BND{for(n=0;n<NR;n+=2) printf("%d %d\n",q[n],q[n+1]);}'>${fb2}.dat
cat > tmp.plt << EOF
set style fill solid border lor spb "black"
set boxwidth 1
set term postscript eps enhanced color; set output "${fb2}.eps"
post (0:8010;801;85;4fb2, dat" using (\%2.0.5):1 with boxes lw 2 lor spb "light-red", \
"${fb2}.dat" using (\%3.2.0.5):2 with boxes lw 2 lor spb "light-green"
set term tgif; set output "${fb2}.ob]";replot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 for 1 in 1 2 3 4 5 6 7 8 9; do
                                        # echo "\ko\_sprecog-$\{sm}-poles0-N24.eps\\$\{sm}-q.eps\" #done.done;done;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  for sin ${S1[0]}; do
    for d in ${D[0]}; do
    for lin ${I_0[0]}; do #for l in 'seq 1 9' ; do #
    for r in ${R[0]}; do
    in { [ "$x" = "1" ]; then
    snn${s} = "1" ]. Flen
    snn${s} = "1" ]. Flen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sm = \$\{s\} - \$\{d\} \$\{1\} - \$\{s2\} - \$\{d2\} \$\{12\} - R\$\{x\}\}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        sprecog-fhs-san1-mkk-san1-R0.8-poles0-N24\
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sprecog-fhs-sanl-mkk-sanl-R0.4-poles0-N24/sprecog-fhs-sanl-mkk-sanl-R0.2-poles0-N24/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sprecog-fhs-san1-mkk-san1-R0.6-poles0-N24\
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       echo $cmd;$cmd
cmd="cp tmp/*-poles0.dat ${dp}/";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           sprecog-fhs-sanl-R1-poles0-N24 \
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       D=(zero ichi si roku nana hachi kyu)
                                                                                                                                                                                                                                               #figs
sm=${s}-${d}${1}-R1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           echo "$cmd"; $cmd
                                                                                                                                                                                                                                                    df=${dl}_f; mkdir -p $df
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                echo $cmd;$cmd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                s2=${S2[0]}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     R=(1 0.8 0.6 0.4 0.2)
L=(1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  r f in *-q.dat; do
fb2=${f$.dat}2
                                                                                                                                                       #==> fhs-san mkk-san
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      done; done; done; done;
                                                                                                                                                                                                                                                                                                         S=(fhs mkk)
R=(0.8 0.6 0.4 0.2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              R=(1);S1=(fhs mkk)
                                                                                                                                                                                                                                                                                                                                                                                                                                                     S1=(mkk); S2=(fhs)
S1=(fhs); S2=(mkk)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            S1=(fhs);S2=(mkk)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              gnuplot tmp.plt
gv ${fb2}.eps&
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   :2 r_max:2 DISP:1"
811 ect
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0 T:100 DISP:1" 0
809 e-
810 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     for f in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   D=(san)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                D=(go)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        D=(ni)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         814
815
816
817
817
$cmd
819
$cmd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                820
\begin{array}{c} 88888\\ 8823\\ 8823\\ 8823\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833\\ 8833
```

ф

```
$f.eps&
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2:40:1.6:1 N100
1028 0.569 0.
                                                                                                                                 1.6:1 N100
1007 0.65
                                                                                                                                                                                                                                                                         :1.6:1 N100
                                                                                                                                                                                                           :1.6:1 N100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1020
1021
1022
1023
1024
1025
1025
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              f=tmp/SV-R10

0.880 /0.284 c<EOF

0.980 0.012 0.020 0.013 = 97 592 7 2 9 #TP,/TN,FP,FN,ERR n698 m=fhs R1 RXO mbas2:40:1.6:1 N100

0.930 0.992 0.008 0.070 0.017 = 95 55 7 12 #TP,TN,FP,FN,ERR n698 m=fms R1 RXO mbas2:40:1.6:1 N100

0.940 0.988 0.012 0.060 0.019 = 94 591 7 6 13 #TP,TM,FP,FN,ERR n698 m=mkk R1 RXO mbas2:40:1.6:1 N100

0.950 0.988 0.012 0.060 0.024 = 95 586 12 5 17 #TP,TN,FP,FN,ERR n698 m=mkc R1 RXO mbas2:40:1.6:1 N100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.929 0.992 0.008 0.071 0.017 = 92 594 5 7 12 #TP/TM/FP/FM/ERR n698 m=mmt R1 RXO mbas2:40:1.6:1 N100 0.900 0.995 0.005 0.100 0.019 = 90 595 3 10 13 #TP/TM/FP/FM/ERR n698 m=mmh R1 RXO mbas2:40:1.6:1 N10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ../12voicedata_ueki_all_q/fms-zero8*R
                                       nr:2 r_max:2 DISP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  -mbas $mbas -dir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.940 0.975 0.025 0.060 0.030 = 94 583 15 6 21 #TP,TN,FP,FN,ERR n698 m=mym R1 RX0 mbas2:40:1.6:1 N10
                                                                                                                                                                                                           ; done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        992 cat > tmp/tmp.plt <<EOF
993 cat titles ("iffs") ("mKK' 1, "mKK' 2, "mKO' 3, "mMT' 4, "mNH' 5, "mYM' 6, "mean' 7)
994 set term postecript eps enhanced color; set output "$f.eps";
995 plot [1[:0.7] "$f.dat" using 0:3 w lp lt 1 lw 2 pt 8 lc rgb "blue" t "pp", "" using 0:4 w lp :
2 pt 10 lc rgb "green" t "FN", "" "sing 0:5 w lp lt 1 lw 2 pt 6 lc rgb "red" t "FRR"
996 set term tgif; set output "$f.obj"; rsp); "rsp); "rsp " set term tgif; set output "$f.obj"; rsp); "rsp "
                                                                                                                                                        #(1) and (2) make all q with 0.5 #check non-exsisting fles for s in fhs fans mkk mko mut mnh mym; do echo -n $sils -l ${dn}/${s}* .../wc.txt;wc.fins 140 1251 11589 .../wc.txt no fhs-hachi5 fms 140 1260 11674 .../wc.txt mkk 140 1260 11674 .../wc.txt mkk 140 1260 11674 .../wc.txt mmt 139 1251 11591 .../wc.txt no mut 139 1251 11591 .../wc.txt no mut-san2 mnh 40 1260 11674 .../wc.txt for mym; 140 1260 11674 .../wc.txt for mym; 140 1260 11674 .../wc.txt for mc 160 11674 .../wc.t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cmd="python oob4speakerdigit+RX_20180602.py -sp $$ -tx $D -L $L -R $R -RX $RX -K 36 -1 -N ${N} -sX ${sx}
                                       nt:18
                                       tt:0:400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  python mkg.py -R 0.4 -S fms -D zero -L 9 python mkg.py -R 0.4 -S fms -D san -L 6 python mkg.py -R 0.4 -S fms -D roku -L 6
                                       dout:${dp} rsa:2:20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                L198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         python mkg.py -R 0.6 -S fms -D zero
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   python mkg.py -R 0.4 -S mym -D kyu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                no
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ->add1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ->add4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.938 0.987 0.013 0.062 0.020 #mean TP IN FP FN ERR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ../wc.txt|head -$n |tail -1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         合合
                                       Np:24 dir:tmp dir2:${dn}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         mbas=2:${b}:${a}:1
L=1:2:3:4:5:6:7:8:9:10
D=zero:ichi:ni:san:si:go:roku:nana:hachi:kyu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               check
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         698 25128 69546 6
698 25128 70861 6
697 25092 70960 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              24984 70735
25128 70734
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  dl.../12voicedata_ueki_all;

dn=s{{al}...nkdir_p $dn #nrmalized
dn=s{{al}...mkdir_p $dn #mixed signal
dq=s{{al}...mkdir_p $dm #mixed signal
dq=s{{al}...mkdir_p $dq #pole new
sx=-1;a=1.6;b=10;N=40;# for short time o
sx=-1;a=1.6;b=40;N=100;#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  694
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               S=fhs:fms:mkk:mko:mmt:mnh:mym
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ofms-zero8 for R0.6 + F
o mmt-san2 for R0.6 -
o fhs-hachi5 for R0.8 -
o mmt-san2 for R0.8 -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              nohup sh/mkgrndl.sh
wc ${dq}/*R1*|tail -1 #
wc ${dq}/*R0.8*|tail -1 #
wc ${dq}/*R0.6*|tail -1 #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        +
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       mym-kyul0 for R0.4 +
fhs-hachi5 for R0.6 -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              wc ${dq}/*R0.4*|tail -1 #
wc ${dq}/*R0.2*|tail -1 #
python mkq.py -sql 1
#no fhs-hachi5 for R0.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            mmt-san2 for R0.2
fhs-hachi5 for R0.4 +
fms-zero9 for R0.4 +
fms-zero for R0.4 +
fms-zero for R0.4 +
fms-roku6 for R0.4 +
mmt-san2 for R0.4 +
"; cat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  gnuplot tmp/tmp.plt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        make data-clean
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            echo -n "L$n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         gv $f.eps&
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  R=1; RX=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    987
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           989
   928
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0
```

```
1029 0.548 0.093 0.017 0.452 0.123 = 279 1558 27 230 257 #TP_TN,FP_FN,ERR n2094 m=mkk R1:0.8:0.6 RXO mbas 2:40:1.6:1 NAIO0 10.950 0.032 0.424 0.128 = 295 1532 50 217 267 #TP_TN,FP_FN,ERR n2094 m=mkk R1:0.8:0.6 RXO mbas 1031 0.576 0.968 0.032 0.424 0.128 = 295 1532 50 217 267 #TP_TN,FP_FN,ERR n2094 m=mkc R1:0.8:0.6 RXO mbas 2:40:1.6:1 NAIO0 10.30 0.457 0.132 = 272 1546 47 229 276 #TP_TN,FP_FN,ERR n2094 m=mmh R1:0.8:0.6 RXO mbas 2:40:1.6:1 NAIO0 10.30 0.457 0.132 = 272 1546 47 229 276 #TP_TN,FP_FN,ERR n2094 m=mmh R1:0.8:0.6 RXO mbas 2:40:1.6:1 NAIO 10.90 0.031 0.458 0.129 = 290 1533 57 214 271 #TP_TN,FP_FN,ERR n2094 m=mmh R1:0.8:0.6 RXO mbas 2:40:1.6:1 NAIO 10.90 0.031 0.458 0.129 = 290 1533 57 214 271 #TP_TN,FP_FN,ERR n2094 m=mmh R1:0.8:0.6 RXO mbas 1034 DFF EXPLOYER EXPLOYER NEW 10.0 0.031 0.458 0.129 = 290 1533 57 214 271 #TP_TN,FP_FN,ERR n2094 m=mmh R1:0.8:0.6 RXO mbas 1034 DFF EXPLOYER EXPLOYER NEW 10.0 0.031 0.458 0.128 #mean TP TN FP FN ERR 1035 cat > tmp/tmp.plt cerm postscript eps enhanced color; set output "$:eps"; "" using 0:4 w lp lt l lw 2 pt 6 lc rgb "blue" t "FP", "" using 0:4 w lp lt l lw 2 pt 6 lc rgb "blue" t "FP", "" using 0:4 w lp lt l lw 2 pt 6 lc rgb "blue" t "ERR" 1043 Bruplot tmp/tmp.plt 1040 set term tgif; set output "$:cb]"; replot 1041 gry $:epsc 1044 gry $:epsc 1045 #TP_TN,FP,FN,ERR n2792 m=fhs R1:0.8:0.6:0.4 RXO mbas24011:6:1.100 0.036 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11.6:1 N100
1012 0.601 0.978 0.022 0.399 0.103 = 181 1071 24 120 144 #TP,TN,FP,FN,ERR n1396 m=mym R1:0.8 RX0 mbas2:40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1015 cat > tmp/tmp.plt <<EOP
1016 set xtics ('fBY' 0, 'fBNS' 1, 'mKK' 2, 'mKO' 3, 'mMT' 4, 'mNH' 5, 'mYM' 6, 'mean' 7)
1017 set term postscript eps enhanced color; set output "$f.eps',
1018 plot [[1:0.7] "$f.dat" using 0:3 w lp lt 1 lw 2 pt 8 lc rgb 'blue" t "FP", "" using 0:4 w lp lt 1 lw
2 pt 10 lc rgb "green" t "FN", "" using 0:5 w lp lt 1 lw 2 pt 6 lc rgb "red" t "ERR"
1019 set term tgif; set output "$f.ob'; repd'; red"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                cat's $f.dat <<EOF
0.549 0.969 0.031 0.451 0.129 = 269 1555 49 221 270 #TP,TN,FP,FN,ERR n2094 m=fhs R1:0.8:0.6 RXO mbas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1028 0.569 0.961 0.039 0.431 0.130 = 278 1543 62 211 273 #TP,TN,FP,FN,ERR n2094 m=fms R1:0.8:0.6 RXO mbas 2:40:1.6:1 N100 10.99 0.548 0.983 0.017 0.452 0.123 = 279 1558 27 230 257 #TP,TN,FP,FN,ERR n2094 m=mkk R1:0.8:0.6 RXO mbas
                                                                                                                                                                                                 0.653 0.983 0.017 0.347 0.085 = 188 1089 19 100 119 #TP,TN,FP,FN,ERR n1396 m=fms R1:0.8 RX0 mbas2:40
                                                                                                                                                                                                                                                                                                    mbas2:40
                                                                                                                                                                                                                                                                                                                                                                                                                                                1.6:1 N100
1010 0.616 0.986 0.014 0.384 0.094 = 186 1079 15 116 131 #TP,TN,FP,FN,ERR n1396 m=mmt R1:0.8 RXO mbas2:40
                                                                                                   mbas2:40:
                                                                                                   RX0
                                                                                                                                                                                                                                                                                              1008 0.622 0.989 0.011 0.378 0.091 = 189 1080 12 115 127 #TP,TN,FP,FN,ERR n1396 m=mkk R1:0.8
                                                                                                                                                                                                                                                                                                                                                                                                  0.631 0.980 0.020 0.369 0.095 = 190 1073 22 111 133 #TP,TN,FP,FN,ERR n1396 m=mko R1:0.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          :1.6:1 N100
1011 0.623 0.968 0.032 0.377 0.108 = 192 1053 35 116 151 #TP,TN,FP,FN,ERR n1396 m=mnh R1:0.8
                                        cat > $f.dat <<EOF
0.659 0.977 0.023 0.341 0.089 = 191 1081 25 99 124 #TP.TN.FP.FN.ERR n1396 m=fhs R1:0.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (mean, 7)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cat > tmp/tmp.plt <EDOF set xtics ('HEN' 0, 'fMX' 1, 'mXK' 2, 'mXO' 3, 'mMT' 4, 'mMH' 5, 'mYM' 6, set xtics ('HEN' 0, 'fMS' 1, 'mXK' 2, 'mXO' 3, 'mMT' 4, 'mMH' 5, 'mYM' 6, set term postscribt eps enhanced color; set output '$f.eps';
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1.16:1 N100
1013 0.629 0.980 0.020 0.371 0.095 #mean TP IN FP FN ERR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.531 0.955 0.045 0.469 0.151 #mean TP IN FP FN ERR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           gnuplot tmp/tmp.plt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           f=tmp/SV-R1086
f=tmp/SV-R108
```

```
1068 0.6202 0.952 0.030 0.498 0.155 = 448 2500 98 444 542 #TP, TN, FP, FN, ERR N3490 m=fhs R1:0.8:0.6:0.4:0.2 1068 0.620 0.952 0.038 0.498 0.155 = 448 2500 98 444 542 #TP, TN, FP, FN, ERR N3490 m=fhs R1:0.8:0.6:0.4:0.2 1070 0.519 0.961 0.039 0.481 0.153 = 467 2489 101 433 534 #TP, TN, FP, FN, ERR N3490 m=fms R1:0.8:0.6:0.4:0.2 1070 0.540:0.1 0.570 0.960 0.040 0.493 0.159 = 464 2471 104 451 555 #TP, TN, FP, FN, ERR N3490 m=mkk R1:0.8:0.6:0.4:0.2 1072 0.470 0.954 0.036 0.036 0.036 0.036 0.036 0.036 0.036 0.036 0.036 0.036 0.036 0.036 0.036 0.036 0.036 0.036 0.036 0.036 0.036 0.036 0.036 0.036 0.036 0.036 0.036 0.036 0.036 0.036 0.030 0.030 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.038 0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1100 set tack stics ('HB'' 0, 'HB'' 0, 'MEK' 2, 'MEO' 3, 'MMT' 4, 'MMH' 5, 'MTM' 6, 'Mean' 7)
1101 set term postscript eps enhanced color; set output "$f.eps';
1102 plot [][:0.7] "$f.dat" using 0:3 w lp lt 1 lw 2 pt 8 lc rgb "blue" t "PP", "" using 0:4 w lp lt 1 lw
1103 set term tgif; set output "$f.obj"; replot
1104 quit
plot [][:0.7] "$f.dat" using 0:3 w lp lt 1 lw 2 pt 8 lc rgb "blue" t "FP", "" using 0:4 w lp lt 1 lw 0 lc rgb "green" t "FR", "" using 0:5 w lp lt 1 lw 2 pt 6 lc rgb "red" t "ERR" set term tgif; set output "$f.obj";replot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             f=tmp/SV-R6

- Sf dat <=EOP

- 0.415 20.028 0.585 0.188 = 83 484 14 117 131 #TP.TN.PP.FN.ERR n698 m=fhs R0.6 RXO mbas2:40:1.6:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.433 0.984 0.016 0.567 0.175 = 87 489 8 114 122 #TP,TN,FP,FN,ERR n698 m=fms R0.6 RX0 mbas2:40:1.6:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.473 0.982 0.018 0.527 0.168 = 97 484 9 108 117 #TP,TN,FP,FN,ERR n698 m=mkk R0.6 RX0 mbas2:40:1.6:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.441 0.979 0.021 0.559 0.183 = 93 477 10 118 128 #TP,TN,FP,FN,ERR n698 m=mko R0.6 RXO mbas2:40:1.6:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.438 0.986 0.014 0.562 0.173 = 89 488 7 114 121 #TP.7TN,FP.FN,ERR n698 m=mmt R0.8 RXO mbas2:40:1.6:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.428 0.978 0.022 0.572 0.186 = 89 479 11 119 130 #TP,TN,FP,FN,ERR n698 m=mnh R0.8 RX0 mbas2:40:1.6:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.463 0.986 0.014 0.537 0.165 = 93 490 7 108 115 #TP./TN,FP./FN.ERR n698 m=mym R0.8 RXO mbas2:40:1.6:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.497 0.975 0.025 0.503 0.150 = 91 502 13 92 105 #TP,TN,FP,FW,ERR n698 m=mmt R0.6 RXO mbas2:40:1.6:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.461 0.978 0.022 0.539 0.165 = 89 494 11 104 115 #TP,TN,FP,FN,ERR n698 m=mnh R0.6 RX0 mbas2:40:1.6:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.433 0.974 0.026 0.567 0.183 = 88 482 13 115 128 #TP,TN,FP,FN,ERR n698 m=mym R0.6 RX0 mbas2:40:1.6:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.451 0.979 0.021 0.549 0.172 #mean TP TN FP FN ERR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.450 0.978 0.022 0.550 0.173 #mean TP IN FP FN ERR
                                                                                                                                                                                       gnuplot tmp/tmp.plt
gv $f.eps&
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             gnuplot tmp/tmp.plt
                                                                                                                                                                                                                                                                                                      f=tmp/SV-R108642
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               gv $f.eps&
                                              10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1108
1110
1110
M100
1111
M100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1112
N100
1113
L N100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1115
1 N100
1116
1 N100
1117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1093
N100
1094
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1095
N100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1096
N100
1097
1098
```

11119	cat > tmp/tmp.plt < <eof set xtics ('fHS' 0, 'fMS' 1, 'mKK' 2, 'mKO' 3, 'mWT' 4, 'mNH' 5, 'mYM' 6, 'mean' 7)</eof
1121 1122	set term postscript eps enhanced color; set output "\$f.eps"; plot [][:0.7] "\$f.dat" using 0:3 w lp lt 1 lw 2 pt 8 lc rgb "blue" t "FP"
2 pt 10 1123 1124) ic rgb "green" t "FN", "" using 0:5 w lp it 1 lw 2 pt 6 lc rgb " set term tgif; set output "\$f.obj";replot ouit
1125	
1127	
1129	
1131 1131	0.401 0.968 0.032 0.599 0.196 = 81 480 16 121 137 #TP,TN,FP,FN,ERR n698 m=fms R0.4 RX0 mbas2:40:1.6:
1132 M100	0.451 0.972 0.028 0.549 0.181 = 92 480 14 112 126 #TP,TN,FP,FN,ERR n698 m=mkk R0.4 RX0 mbas2:40:1.6:
1133 M100	0.436 0.973 0.027 0.564 0.196 = 96 465 13 124 137 #TP,TN,FP,FN,ERR n698 m=mko R0.4 RXO mbas2:40:1.6:
1134	0.426 0.978 0.022 0.574 0.170 = 80 499 11 108 119 #TP,TN,FP,FN,ERR n698 m=mmt R0.4 RXO mbas2:40:1.6:
1135	0.463 0.947 0.053 0.537 0.185 = 88 481 27 102 129 #TP,TN,FP,FN,ERR n698 m=mnh R0.4 RX0 mbas2:40:1.6:
1136 M100	0.468 0.963 0.037 0.532 0.172 = 89 489 19 101 120 #TP,TN,FP,FN,ERR n698 m=mym R0.4 RX0 mbas2:40:1.6:
1137	0.439 0.969 0.031 0.561 0.183 #mean TP IN FP FN ERR
1138	, mM
1141	put 1 \$1.eps"; put 8 1 c rch "hlis" + "FD" " " isd:
2 pt 1 1143	first files, which is a support to the property of the propert
1144	quit ROF
1146	Duplot tmp/tmp.plt
1148	SV-R2
1149	cat > Sf.cat < <eof 0.390 0.972 0.028 0.610 0.195 = 78 484 14 122 136 #TP,TN,FP,FN,ERR n698 m=fhs R0.2 RXO mbas2:40:1.6:</eof
1151 1151	0.435 0.971 0.029 0.565 0.189 = 91 475 14 118 132 #TP,TN,FP,FN,ERR n698 m=fms R0.2 RXO mbas2:40:1.6:
1152	0.431 0.966 0.034 0.569 0.189 = 87 479 17 115 132 #TP,TN,FP,FN,ERR n698 m=mkk R0.2 RXO mbas2:40:1.6:
1153	0.397 0.972 0.028 0.603 0.196 = 81 480 14 123 137 #TP,TN,FP,FN,ERR n698 m=mko R0.2 RXO mbas2:40:1.6:
1154	0.422 0.964 0.036 0.578 0.185 = 81 488 18 111 129 #TP,TN,FP,FN,ERR n698 m=mmt R0.2 RXO mbas2:40:1.6:
1155 1155	0.435 0.961 0.039 0.565 0.183 = 83 487 20 108 128 #TP,TN,FP,FN,ERR n698 m=mnh R0.2 RXO mbas2:40:1.6:
1156 M100	0.460 0.954 0.046 0.540 0.186 = 91 477 23 107 130 #TP,TN,FP,FN,ERR n698 m=mym R0.2 RXO mbas2:40:1.6:
1157	0.424 0.966 0.034 0.576 0.189 #mean TP IN FP FN ERR
1158	
1160	set xtics ('fHS' 0, 'fMS' 1, 'mKK' 2, 'mKO' 3, 'mMT' 4, 'mNH' 5, 'mYM' 6, 'mean' 7)
1162	Jat using or while I want a representation of the property of
1163	
1165	EOF
1166	gnuplot tmp/tmp.plt gv \$f.eps&
1168	###Recall and precision for P in 10 R 6 4 2 :40
1171	
LL/Z P;printf f %.3f #	nead -/ \$1.dat lawk 'BESIN(affalale'0') IP=\$/;IN=\$8;FP=\$9;FN=\$L0;F=TP /(TP+FP);F=TP/(TP+FP);ak+=R:ar+= f("8.3f 8.3f #.3f #recall precision\n",TP(TP+FN);TP/(TP+FP),(TP+TN)/(TP+TN+FP+FN));}END(printf("#\$.3 #mean for NR=\$6\n",aP/NR.aP/NR.AP)'> \${f}-RP_6TP-PP-PP-PP-PP-PP-PP-PP-PP-PP-PP-PP-PP-P
1173	cat > tmp/tmp.plt < <eof< td=""></eof<>
1175	Set XLLCS (Linb 0, Inb 1, link 2, link 3, link 1, link 3, link 3, link 3, link 3, link 1, link
1w 2 g	Fig. 1 John 19 Sizes T. M. Commission of the first transfer of the
1178	\$f-RPA.eps";
1179	lw 2 pt 8 lc rgb "blue" t "P", "

```
1189 for R in 10 8 6 4 2 ido
1191 f=tmp/SV-E${R}
1193 done
1193 done
1194 temp/SV-E${R}
1195 done
1196 for R in 10 8 6 4 2 ido
1197 done
1198 temp/SV-R${R}
1199 temp/SV-R${R}
1199 temp/SV-R$ (0.445 0.891 #mean for NR=6
1196 temp/SV-R$ (0.445 0.892 #mean for NR=6
1196 temp/SV-R$ (0.445 0.892 #mean for NR=6
1197 temp/SV-R$ (0.445 0.892 #mean for NR=6
1198 temp/SV-R$ (0.445 0.892 #mean for NR=6
1199 temp/SV-R$ (0.446 0.496 0.172 = 215 971 34 212 246 #TP, TN, PP, PN, ERR n1432 m=fns R0.8:0.6@0.4:0.2 RXO
1203 0.463 0.953 0.047 0.537 0.183 = 184 986 49 213 262 #TP, TN, PP, PN, ERR n1432 m=fms R0.8:0.6@0.4:0.2 RXO
1204 0.443 0.955 0.045 0.526 0.181 = 192 981 46 213 259 #TP, TN, PP, PN, ERR n1432 m=mak R0.8:0.6@0.4:0.2 RXO
1205 0.414 0.955 0.045 0.529 0.182 = 186 986 51 209 260 #TP, TN, PP, PN, ERR n1432 m=mak R0.8:0.6@0.4:0.2 RXO
1207 0.441 0.951 0.049 0.529 0.182 = 188 986 51 209 260 #TP, TN, PP, PN, ERR n1432 m=mmh R0.8:0.6@0.4:0.2 RXO
1207 0.446 0.972 0.028 0.554 0.175 = 178 1004 29 221 250 #TP, TN, PP, PN, ERR n1432 m=mmh R0.8:0.6@0.4:0.2 RXO
0.441 0.951 0.049 0.559 0.183 = 172 998 35 227 262 #TP, TN, PP, PN, ERR n1432 m=mnh R0.8:0.6@0.4:0.2 RXO
0.441 0.951 0.049 0.560 0.034 0.560 0.183 = 172 998 35 227 262 #TP, TN, PP, PN, ERR n1432 m=mnh R0.8:0.6@0.4:0.2 RXO
0.441 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 0.941 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1222 dn=${d1_1m}$ invedir - p $dm #inixed signal
1224 dq=${d1_1m}$ invedir - p $dm #inixed signal
1225 dn=${d1_1m}$ invedir - p $dm #inixed signal
1226 dq=${d1_1m}$ invedir - p $dm #inixed signal
1226 sx=-1;a=1.6;b=300;N=40;
1226 sx=-1;a=1.6;b=300;N=40;
1227 sx=-1;a=1.6;b=300;N=40;
1228 mbas=2:${b1:{d1:d2}}$ initian; signal signa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1218 0.408 0.971 0.029 0.592 0.188 = 165 998 30 239 269 #TP/TN,FP,FN,ERR n1432 m=mym R0.8:0.6 RXO mbas2:4 0:1.6:1 N100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1219 0.455 0.963 0.037 0.545 0.182 #mean TP IN FP FN ERRkuro@kurolab-VB:-/sotu/2017/can2b$ kuro@kurolab-V
B:-/sotu/2017/can2b$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cat > tmp/SV-R86.dat <<EOF
0.480 0.956 0.044 0.520 0.186 = 205 961 44 222 266 #TP,TN,FP,FN,ERR n1432 m=fhs R0.8:0.6 RXO mbas2:4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.460 0.969 0.031 0.540 0.169 = 179 1011 32 210 242 #TP,TN,FP,FN,ERR n1432 m=fms R0.8:0.6 RX0 mbas2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1216 0.479 0.962 0.038 0.521 0.168 = 185 1006 40 201 241 #TP,TN,FP,FN,ERR n1432 m=mmt R0.8:0.6 RXO mbas2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.459 0.952 0.048 0.541 0.186 = 184 981 50 217 267 #TP,TN,FP,FN,ERR n1432 m=mnh R0.8:0.6 RXO mbas2:4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   mbas2:40:1.6:1 N100
1209 0.462 0.960 0.040 0.538 0.182 #mean TP TN FP FN ERRkuro@kurolab-VB:~/sotu/2017/can2b$
lw 2 pt 10 lc rgb "green" t "R", "" using 0:3 w lp lt 1 lw 2 pt 6 lc rgb "red" t "A" 1180 set term tgif; set output "\$f-RPA.obj",replot
                                                                                                                                                                                                                                               gnuplot tmp/tmp.plt
gv $f.RP.eps&
cp $f.RP.eps&
gv $f.RP.* ~ //8iconip/iconipl8speech/draft
gv $f.RR.eps& ~ //8iconip/iconipl8speech/draft
cp $f.RR.eps& ~ //18iconip/iconipl8speech/draft
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     dn=${d1}_n; mkdir -p $dn #normalized
dm=${d1}_m; mkdir -p $dn #mixed signal
dq=${d1}_q; mkdir -p $dq #pole new
xX=-1;a=1.6;b=300;NN=30;
xX=-1;a=1.6;b=300;NN=40;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    dl=../12voicedata ueki all;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1211 C
1212 0.45
0:11.6:1 N100
1213 0.46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    40:1.6:1 N100
1217 0.459
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

K: mkc : mmt : mym mym mk : mkc : mmt : mym mk : mkc : mmt : mym mk : mkc : mmt : mk : mym mkc : mmt : mk : mym mkc :	### (### #### #### #### #### #### #### #### #### #### ##### #### #### #### ######	0.036 0.030 0.030 0.0330 0.0330 0.027 0.027 0.027 0.042 0.042 0.042 0.042 0.042 0.042 0.042 0.042 0.042 0.043 0.043 0.054	0.432 0.392 0.397 0.397 0.0392 0.050	11.123 = 175 1. 1.107 #mean 1. 1.107 #mean 1. 1.107 #mean 1. 1.107 #mean 1. 1.108 = 183 1. 1.107 #mean 1. 1.108 = 183 1. 1.108 = 183 1. 1.108 = 183 1. 1.108 = 183 1. 1.108 = 183 1. 1.108 = 183 1. 1.108 = 183 1. 1.108 = 183 1. 1.109 = 183 1		[12] #TP,TN,FP,FN,ERR n1396 m=muh R1 SRR awk 'BEGIN(n=0.TP=TN=FP=FN=ERR=0) { 3f #mcan TP TN FP FN ERR n698 m=fms R1 S:fhs FP,TN,FP,FN,ERR n698 m=fms R1 S:fhs FP,TN,FP,FN,ERR n698 m=mkc R1 S:fhs FP,TN,FP,FN,ERR n698 m=mmk R1 S:fhs FP,TN,FP,FN,ERR n698 m=mmk R1 S:fhs FP,TN,FP,FN,ERR n698 m=mmk R0.8 S #TP,TN,FP,FN,ERR n698 m=mkc R0.6 S #TP,TN,FP,FN,ERR n698 m=mkc R0.4 S	1:0.8 S:fhs:fms:mk 1:0.8 S:fhs:fms:mk 1:0.8 S:fhs:fms:mk 2:fms:mkk:mko:mmt: 3:fms:mkk:mko:mmt: 3:fms:mkk:mko:mmt: 3:fms:mkk:mko:mmt: 3:fms:mkk:mko:mmt: 3:fms:mkk:mko:mmt: 3:fms:mkk:mko:mmt: 3:fms:mkk:mko:mmt: 3:fms:mkk:mko:mmt: 3:fms:mkk:mko:mt: 3:fms:mkk:mko: 3:fhs:fms:mkk:mko: 3:fhs:fms:mkk:mko S:fhs:fms:mkk:mko
:mmt:mnh:mym 1281 0.411	1 0.928	0.038	0.589	0.226 = 86 454	35 123	158 #TP,IN,FF,FW,ERR n698 m=fms R0.2 S:fhs:f	S:fhs:fms:mkk:mko
늰	0	0.05		.206 = 84 47	26 118	#TP, TN, FP, FN, ERR n698 m=mkk R0.2	S:fhs:fms:mkk:mko
된		90.0		209 = 90	32 114	#IP.TN.FF.FN.ERR 11698 III=IIIXA KU.Z.	S:fhs:fms:mkk:mko
:mmt:mnh:mym 1284 0.516	5 0.	0	0.4	.183 = 99	35 114 35 93 1	#1F,1N,FF,FN,ERR N698	S:Ins:Ims:Mkk:MkO: S:Ihs:Ims:mkk:Mko:

mmt:mnh:mym

k:mko:mmt:mmh:mym
1295 python oob4speakerdigit+sX_20180602.py -sp fhs:fms:mkk:mko:mmt:mnh:mym -tx zero:ichi:ni:san:si:go:ro
1295 python oob4speakerdigit+sX_20180602.py -sp fhs:fms:mkk:mko:mmt:mnh:mym -tx zero:ichi:ni:san:si:go:ro
1205 python oob4speakerdigit+sX_20180602.py -sp fhs:fms:mkk:mko:mmt:mnh:mym -tx zero:ichi:ni:san:si:go:ro
1206 0.516 0.979 0.021 0.484 0.129 = 253 1571 33 237 270 #Tp,TN,FP,FN,ERR n2094 m=fhs R1:0.8:0.6 S:fhs:fm s:mkk:mko:mmt:mnh:mym 1301 0.467 0.976 0.024 0.533 0.146 = 234 1554 39 267 306 #TP,TN,FP,FN,ERR n2094 m=mnh R1:0.8:0.6 S:fhs:fm s:mkk:mko:mmt:unh:mym 1302 0.472 0.976 0.024 0.528 0.145 = 238 1552 38 266 304 #TP,TN,FP,FN,ERR n2094 m=mym R1:0.8:0.6 S:fhs:fm s:mkk:mko:mmt:mnh:mym 1287 1288 0.628 0.988 0.012 0.372 0.087 = 182 1093 13 108 121 #TP,TN,FP,FN,ERR n1396 m=fhs R1:0.8 S:fhs:fms:mk ::mko:mmt:mym 1289 0.639 0.980 0.020 0.361 0.090 = 184 1086 22 104 126 #TP,TN,FP,FN,ERR n1396 m=fms R1:0.8 S:fhs:fms:mk k:mako:mmth:mym 1290 0.599 0.985 0.015 0.401 0.099 = 182 1076 16 122 138 #TP,TN,FP,FN,ERR n1396 m=mkk R1:0.8 S:fhas:fma:mk T. 1291 0.558 0.036 0.034 0.402 0.113 = 180 1058 37 121 158 #TP, TN, FP, FN, ERR n1396 m=mko R1:0.8 S:fhs:fms:mk K:mko:mmt:mnh:mym 1292 0.066 0.956 0.015 0.394 0.097 = 183 1078 16 119 135 #TP, TN, FP, FN, ERR n1396 m=mmt R1:0.8 S:fhs:fms:mk K:mko:mmt:mnh:mym 1293 0.668 0.969 0.031 0.432 0.120 = 175 1054 34 133 167 #TP, TN, FP, FN, ERR n1396 m=mnh R1:0.8 S:fhs:fms:mk K:mko:mmt:mnh:mym 1294 0.618 0.982 0.018 0.382 0.097 = 186 1075 20 115 135 #TP,TN,FP,FN,ERR n1396 m=mym R1:0.8 S:fhs:fms:mk s:wkk:mko:mmt:mnh:mym 1297 0.495 0.982 0.018 0.505 0.132 = 242 1576 29 247 276 #TP,TN,FP,FN,ERR n2094 m=fms R1:0.8:0.6 S:fhs:fm s:mkk:mkc:mmh:mmh:mym 1298 0.499 0.982 0.018 0.501 0.136 = 254 1556 29 255 284 #TP,TN,FP,FN,ERR n2094 m=mkk R1:0.8:0.6 S:fhs:fm s:mkk:mko:mmh:mmh:mmh;mym 1299 0.475 0.979 0.021 0.525 0.145 = 243 1548 34 269 303 #TP,TN,FP,FN,ERR n2094 m=mko R1:0.8:0.6 S:fhs:fm 0.988 0.012 0.501 0.125 = 242 1590 19 243 262 #TP, TN, FP, FN, ERR n2094 m=mmt R1:0.8:0.6 S:fhs:fm 0.460 0.936 0.064 0.540 0.199 = 91 468 32 107 139 #TP,TN,FP,FN,FRR n698 m=mym R0.2 S:fhs:fms:mkc s:mkk:mko:mmt:mnh:mym 0.499

1318 0.618 0.978 0.022 0.382 0.100 = 186 1071 24 115 139 #TP,TN,FP,FN,ERR n1396 m=mko R1:0.8 RXO mbas2:60:1.6:1 N100 1321 0.641 0.974 0.026 0.359 0.097 = 193 1067 28 108 136 #TP,TN,FP,FN,ERR n1396 m=mym R1:0.8 RXO mbas2:60 :1.6:1 N100 0.590 0.969 0.031 0.410 0.110 = 171 1072 34 119 153 #TP,TN,FP,FN,ERR n1396 m=fhs R1:0.8 RXO mbas2:40 1325 0.556 0.977 0.023 0.444 0.110 = 160 1082 26 128 154 #TP,TN,FP,FN,ERR n1396 m=fms R1:0.8 RXO mbas2:40 0.77:1 N100 0.631 0.976 0.024 0.369 0.095 = 183 1080 26 107 133 #TP,TN,FP,FN,ERR n1396 m=fhs R1:0.8 RX0 mbas2:60 0.628 0.985 0.015 0.372 0.089 = 181 1091 17 107 124 #TP,TN,FP,FN,ERR n1396 m=fms R1:0.8 RXO mbas2:60 0.648 0.989 0.011 0.352 0.085 = 197 1080 12 107 119 #TP, TN,FP,FN,ERR n1396 m=mkk R1:0.8 RXO mbas2:60 0.597 0.980 0.020 0.403 0.105 = 184 1066 22 124 146 #TP, TN,FP,FN,ERR n1396 m=mnh R1:0.8 RX0 mbas2:60 0.581 0.957 0.043 0.419 0.124 = 175 1048 47 126 173 #TP,TN,FP,FN,ERR n1396 m=mko R1:0.8 RX0 mbas2:40 0.576 0.962 0.038 0.424 0.122 = 174 1052 42 128 170 #TP,TN,FP,FN,ERR n1396 m=mmt R1:0.8 RX0 mbas2:40 0.500 0.946 0.054 0.500 0.153 = 154 1029 59 154 213 #TP, TN,FP,FN,ERR n1396 m=mnh R1:0.8 RX0 mbas2:40 0.636 0.979 0.021 0.364 0.095 = 192 1071 23 110 133 #TP,TN,FP,FN,ERR n1396 m=mmt R1:0.8 RXO 0.569 0.963 0.037 0.431 0.122 = 173 1052 40 131 171 #TP,TN,FP,FN,ERR n1396 m=mkk R1:0.8 RX0 0.628 0.980 0.020 0.372 0.095 #mean TP IN FP FN ERR 1328 0.5; 1328 0.5; 10.7:1 N100 :1.6:1 N100 1317 0.64 1.6:1 N100 1.6:1 N100 1316 0.6 :1.6:1 N100 :0.7:1 N100 1319 1326

0.625 0.973 0.027 0.375 0.102 #mean TP IN FP FN ERR

readmecan2mspeech.txt Dec 05 2019 13:52:41

Page 22

0.625 0.973 0.027 0.375 0.102 #mean TP TN FP FN ERR 0.655 0.982 0.018 0.345 0.086 = 190 1086 20 100 120 #TP,TN,FP,FN,ERR n1396 m=fhs R1:0.8 RXO mbas2:40 2:60:1.6:1 N100 2:50:1.6:1 N100 2:50:1.6:1 N100 1:338 0:545 0:970 0.030 0.423 0.121 = 280 1561 48 205 253 #TP/TN/FP/FN/ERR n2094 m=mmt R1:0.8:0.6 RXO mbas 1:338 0:545 0:970 0.030 0.455 0.132 = 273 1545 48 228 276 #TP/TN/FP/FN/ERR n2094 m=mnh R1:0.8:0.6 RXO mbas 0.642 0.991 0.009 0.358 0.081 = 185 1098 10 103 113 #TD,TN,FP,FN,ERR n1396 m=fms R1:0.8 RXO mbas2:40 0.638 0.981 0.019 0.362 0.093 = 192 1074 21 109 130 #TP, TN, FP, FN, ERR n1396 m=mko R1:0.8 RX0 mbas2:40 0.627 0.991 0.009 0.373 0.090 = 193 1078 10 115 125 #TP,TN,FP,FN,ERR n1396 m=mnh R1:0.8 RXO mbas2:40 1348 0.615 0.989 0.011 0.385 0.092 = 185 1083 12 116 128 #TP,TN,FP,FN,ERR n1396 m=mym R1:0.8 RXO mbas2:40 :1.6:1 N200 0.629 0.988 0.012 0.371 0.089 #mean TP TN FP FN ERRO 0.652 0.976 0.024 0.348 0.091 = 189 1080 26 101 127 #TP,TN,FP,FN,ERR n1396 m=fhs R1:0.8 RXO mbas2:40 0.642 0.977 0.023 0.358 0.092 = 185 1083 25 103 128 #TP,TN,FP,FN,ERR n1396 m=fms R1:0.8 RXO mbas2:40 0.609 0.970 0.030 0.391 0.109 = 185 1059 33 119 152 #TP,TN,FP,FN,ERR n1396 m=mkk R1:0.8 RXO mbas2:40 mbas2:40 0.620 0.972 0.028 0.380 0.105 = 191 1058 30 117 147 #TP,TN,FP,FN,ERR n1396 m=mnh R1:0.8 RXO mbas2:40 605 0.958 0.042 0.395 0.118 = 182 1049 46 119 165 #TD,TN,FD,FN,ERR n1396 m=mym R1:0.8 RXO mbas2:40 0.625 0.984 0.016 0.375 0.095 = 190 1074 18 114 132 #TP,TN,FP,FN,ERR n1396 m=mkk R1:0.8 RXO mbas2:40 0.571 0.975 0.025 0.429 0.112 = 172 1068 27 129 156 #TP,TN,FP,FN,ERR n1396 m=mko R1:0.8 RX0 mbas2:40 0.596 0.990 0.010 0.404 0.095 = 180 1083 11 122 133 #TP,TN,FP,FN,ERR n1396 m=mmt R1:0.8 RXO mbas2:40 584 0.967 0.033 0.416 0.117 = 180 1052 36 128 164 #TP,TN,FP,FN,ERR n1396 m=mnh R1:0.8 RXO mbas2:40 0.652 0.976 0.024 0.348 0.091 = 189 1080 26 101 127 #TD,TN,FP,FN,ERR n1396 m=fhs R1:0.8 RX0 mbas2:40 0.642 0.977 0.023 0.358 0.092 = 185 1083 25 103 128 #TP,TN,FP,FN,ERR n1396 m=fms R1:0.8 RXO mbas2:40 0.609 0.970 0.030 0.391 0.109 = 185 1059 33 119 152 #TP,TN,FP,FN,ERR n1396 m=mkk R1:0.8 RXO mbas2:40 0.628 0.974 0.026 0.372 0.101 = 189 1066 29 112 141 #TP,TN,FP,FN,ERR n1396 m=mko R1:0.8 RXO mbas2:40 0.616 0.984 0.016 0.384 0.096 = 186 1076 18 116 134 #TD,TN,FD,FN,FRR n1396 m=mmt R1:0.8 RXO mbas2:40 0.620 0.972 0.028 0.380 0.105 = 191 1058 30 117 147 #TP,TN,FP,FN,ERR n1396 m=mnh R1:0.8 RXO mbas2:40 0.605 0.958 0.042 0.395 0.118 = 182 1049 46 119 165 #TP,TN,FP,FN,ERR n1396 m=mym R1:0.8 RXO mbas2:40 1339 0.563 0.974 0.026 0.437 0.125 = 284 1549 41 220 261 #TP,TN,FP,FN,ERR n2094 m=mym R1:0.8:0.6 RXO mbas m=fhs R1:0.8:0.6 RX0 mbas 2:6011.6:1 N100 1334 0.577 0.970 0.030 0.423 0.122 = 282 1557 48 207 255 #TD,TN,FD,FN,ERR n2094 m=fms R1:0.8:0.6 RX0 0.558 0.974 0.026 0.442 0.127 = 284 1544 41 225 266 #TP,TN,FP,FN,ERR n2094 m=mkk R1:0.8:0.6 RX0 1336 0.588 0.962 0.038 0.412 0.129 = 301 1522 60 211 271 #TP,TN,FP,FN,ERR n2094 m=mko R1:0.8:0.6 RX0 RX0 0.616 0.984 0.016 0.384 0.096 = 186 1076 18 116 134 #TP,TN,FP,FN,ERR n1396 m=mmt R1:0.8 RX0 0.568 0.980 0.020 0.432 0.109 = 171 1073 22 130 152 #TP,TN,FP,FN,ERR n1396 m=mym R1:0.8 RX0 0.609 0.992 0.008 0.391 0.091 = 184 1085 9 118 127 #TP,TN,FP,FW,ERR n1396 m=mmt R1:0.8 RX0 m=mym R1:0.8 0.652 0.984 0.016 0.348 0.085 = 189 1088 18 101 119 #TP,TN,FP,FN,ERR n1396 m=fhs R1:0.8 0.622 0.989 0.011 0.378 0.091 = 189 1080 12 115 127 #TP,TN,FP,FN,ERR n1396 m=mkk R1:0.8 0.628 0.974 0.026 0.372 0.101 = 189 1066 29 112 141 #TP,TN,FP,FN,ERR n1396 m=mko R1:0.8 0.635 0.986 0.014 0.365 0.086 = 183 1093 15 105 120 #TP,TN,FP,FN,ERR n1396 m=fms R1:0.8 n1396 0.555 0.971 0.029 0.445 0.127 = 272 1557 47 218 265 #TP,TN,FP,FN,ERR n2094 585 0.940 0.060 0.415 0.137 = 176 1029 66 125 191 #TP, TN, FP, FN, ERR 1340 0.566 0.970 0.030 0.434 0.126 #mean TP TN FP FN ERR 0.605 0.981 0.019 0.395 0.100 #mean TP TN FP FN ERR 0.565 0.959 0.041 0.435 0.125 #mean TP IN FP FN ERR 2:60:1.6:1 N100 2:60:1.6:1 N100 2:60:1.6:1 N100 N200 :1.6:1 N200 :1.6:1 N200 :1.6:1 N200 :1.6:1 N80 1352 0.60 :1.6:1 N200 :1.6:1 N80 1355 0.6 :1.6:1 N80 1356 0.6 :1.6:1 N40 1359 0.6 :1.6:1 N40 1363 0.5 :1.6:1 N40 1364 0.5 :1.6:1 N40 1.6:1 N200 :1.6:1 N80 :1.6:1 N80 :1.6:1 N80 :1.6:1 N80 :1.6:1 N40 :1.6:1 N40 :1.6:1 N40 1362 :1.6:1 1373 :1.6:1 1374 :1.6:1 :1.6:1 1351 1369 :1.6:1 :1.6:1

RO.

m=fhs

```
R1:0.8 RX0 mbas2:40
                                                                                                                                                                                                                                  = 191 1081 14 110 124 #TP, TN, FP, FN, ERR n1396 m=mko R1:0.8 RX0 mbas2:40
                                                                                                                                                                                                                                                                                                                        = 186 1076 12 122 134 #TP, TN, FP, FN, ERR n1396 m=mnh R1:0.8 RX0 mbas2:40
                                                                                                                                                                                                                                                                                                                                                                      = 186 1085 10 115 125 #TP,TN,FP,FN,ERR n1396 m=mym R1:0.8 RX0 mbas2:40
                          ERR\n", TP/n, TN/n, FP/n, FN
ski_all_g/speaker-verif-result.dat|awk 'BEGIN{n=0;TP=TN=FP=FN=ERR=0}{n++;TP+=$1;
END{printf("%.3f %.3f %.3f %.3f %.3f #mean TP TN FP FN ERR\n",TP/n,TN/n,FP/n,FP/n,FP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             421 cat ...12voicedata_ucki_all_q/speaker-verif_result.dat #oob prediction of training data (422 0.390 0.993 0.991 cold 0.100 0.100 0.1014 = 46 297 2 3 5 #TP.7M.PF.PR.BRR 7484 meThe RI RXO. 8 4422 0.990 0.900 0.000 0.100 0.100 0.010 = 46 295 3 4 7 #TP.7M.PF.PR.BRR 7484 meThe RI RXO. 8 4424 0.520 0.990 0.010 0.000 0.020 = 46 295 3 4 7 #TP.7M.PF.PR.BRR 7484 meThe RI RXO. 8 426 0.990 0.900 0.010 0.023 = 45 295 3 5 #TP.7M.PF.PR.BRR 7484 meThe RI RXO. 8 420 0.990 0.010 0.020 0.661 0.025 = 46 296 3 4 7 #TP.7M.PF.PR.BRR 7484 meThe RI RXO. 8 427 0.860 0.990 0.010 0.020 0.661 0.025 = 48 290 8 2 10 #TP.7M.PF.PR.BR 7484 meThe RI RXO. 8 428 0.880 0.990 0.010 0.120 0.025 = 48 290 8 2 10 #TP.7M.PF.PR.BRR 7484 meThe RI RXO. 8 428 0.880 0.990 0.010 0.120 0.025 = 44 295 3 6 9 #TP.7M.PF.PR.BRR 7484 meThe RI RXO. 8 430 0.890 0.010 0.120 0.025 = 48 290 8 2 10 #TP.7M.PF.PR.BRR 7480 meThe RI RXO. 8 430 0.991 0.010 0.120 0.025 = 38 22 17 79 #TP.7M.PF.PR.BRR 7480 meThe RXO. 8 431 0.091 0.992 0.008 0.909 0.226 = 33 238 2 77 79 #TP.7M.PF.PR.PR.RR 7450 meThe RXO. 8 432 0.393 0.390 0.992 0.008 0.909 0.244 3 5 2.21 77 9 #TP.7M.PF.PR.RR 7450 meThe RXO. 8 433 0.331 0.938 0.012 0.647 0.254 = 34 2.251 77 9 #TP.7M.PF.PR.RR 7450 meThe RXO. 8 435 0.300 0.992 0.008 0.209 0.244 3 3 2.32 17 79 #TP.7M.PF.PR.RR 7450 meThe RXO. 8 435 0.300 0.992 0.008 0.209 0.244 3 3 2.24 17 79 #TP.7M.PF.PR.RR 7450 meThe RXO. 8 435 0.107 0.984 0.012 0.993 0.271 0.94 #TP.7M.PF.PR.RR 7450 meThe RXO. 8 435 0.107 0.984 0.012 0.295 0.098 0.012 0.295 0.098 0.012 0.295 0.098 0.012 0.295 0.098 0.012 0.295 0.098 0.012 0.999 0.008 0.009 0.297 0.098 0.009 0.297 0.098 0.009 0.991 0.009 0.0091 0.009 0.0091 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.00
                                                                                                                                      R1:0.8 RX0
                                                                                                                                                                                       RX0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           data
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            7.12voicedata_ueki_all_g/speaker-verif-result.dat #bob prediction of training data 0.041 0.029 0.473 0.155 = 49 245 10 44 5 4 #Pp.7NP.PN.PN.RN 1346 m=fins R0.8 RXO.8 0.041 0.039 0.473 0.155 = 49 245 10 44 5 4 #Pp.7NP.PP.PN.RN 1346 m=fins R0.8 RXO.8 0.969 0.012 0.500 0.158 = 47 246 8 47 55 #Tp.7N.PP.PN.ERR 0.348 m=mkk R0.8 RXO.8 0.949 0.051 0.500 0.158 = 47 246 8 47 55 #Tp.7N.PP.PN.ERR 0.348 m=mkk R0.8 RXO.8 0.992 0.093 0.550 0.155 = 45 242 13 48 61 #Tp.7N.PP.PN.ERR 0.348 m=mk R0.8 RXO.8 0.992 0.008 0.567 0.175 = 45 242 13 48 61 #Tp.7N.PP.PN.ERR 0.348 m=mm R0.8 RXO.8 0.997 0.025 0.500 0.195 = 43 237 6 62 8 #Tp.7N.PP.PN.ERR 0.348 m=mm R0.8 RXO.8 0.997 0.021 0.550 0.009 0.577 0.195 = 43 237 6 62 8 #Tp.7N.PP.PN.ERR 0.348 m=mm R0.8 RXO.8 0.997 0.021 0.556 0.207 = 40 236 5 57 72 #TP.7N.PP.PN.ERR 0.348 m=mn R0.8 RXO.8 0.973 0.027 0.542 0.175 #mean TP TN PP PN ERR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          data
                                                                                                                                                                                 = 191 1084 8 113 121 #TP,TN,FP,FN,ERR n1396 m=mkk R1:0.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          of training
                                                                                           = 188 1089 17 102 119 #TP, TN, FP, FN, ERR n1396 m=fhs
                                                                                                                                      = 184 1097 11 104 115 #TP, TN, FP, FN, ERR n1396 m=fms
                                                                                                                                                                                                                                                                             = 189 1083 11 113 124 #TP, TN, FP, FN, ERR n1396 m=mmt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #prediction of test
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          prediction
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       _all_q/speaker-verif-result.dat #oob
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ../12voicedata_ueki_all_g/speaker-verif-result-X.dat
                                                                                                                                                                                                                                                                                                                                                                                                                       ERR
                                                                                                                                                                                                                                                                                                                                                                                                                    0.628 0.989 0.011 0.372 0.088 #mean TP IN FP FN
                                                                                                                                                                                                                                                             1381 0.626 0.990 0.010 0.374 0.089
:1.6:1 N300
                                                                                                                                                                                                                                                                                                   1382 0.604 0.989 0.011 0.396 0.096
                                                                                           0.085
                                                                                                                                      0.639 0.990 0.010 0.361 0.082
                                                                                                                                                                                 0.628 0.993 0.007 0.372 0.087
                                                                                                                                                                                                                                  0.635 0.987 0.013 0.365 0.089
                                                                                                                                                                                                                                                                                                                                                                      0.090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       oicedata_ueki_a
7 0.013 0.061 0
7 0.023 0.060 0
3 0.017 0.140 0
7 0.023 0.040 0
7 0.013 0.140 0
0 0.010 0.140 0
                                                                                      0.648 0.985 0.015 0.352
                                                                                                                                                                                                                                                                                                                                                                      0.618 0.991 0.009 0.382
1375 cat ../12voicedata_ueki.
TN+=$2;FP+=$3;FN+=$4;ERR+=$5}ENi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sX=-1;a=1.6;b=300;N=40;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cat .../12voic
0.939 0.987 0
0.940 0.977 0
0.960 0.983 0
0.878 0.987 0
0.860 0.990 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cat .../12voi
0.527 0.961
0.500 0.969
0.484 0.969
0.433 0.992
0.431 0.995
0.374 0.975
0.374 0.975
0.374 0.973
                                                                                                                                                    :1.6:1 N300
1379 0.628
                                                                                                                                                                                                                                                                                                                                                                                              1.6:1 N300
                                                'n, ERR/n) }'
                                                                                                              1.6:1 N300
                                                                                                                                                                                                                                                        :1.6:1 N300
                                                                                                                                                                                                          1.6:1 N300
                                                                                                                                                                                                                                  1380
                                                                                                                                                                                                                                                                                                                                                                         1383
```

```
no ../12voicedata
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ../12voicedata_
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.561 0.134 = 65 541 11 83 94 #TP, TM, FP, FM, ERR n700 m=fhs R1:0.8 RXI:0.8 0.575 0.133 = 59 548 14 79 93 #TP, TM, FP, FM, ERR n700 m=fms R1:0.8 RXI:0.8 0.575 0.443 = 68 512 8 92 100 #TP, TM, FP, FM, ERR n700 m=mKR R1:0.8 RXI:0.8 0.556 0.177 = 66 510 32 92 124 #TP, TM, FP, FM, ERR n700 m=mKC R1:0.8 RXI:0.8 0.584 0.133 = 62 546 6 87 93 #TP, TM, FP, FM, ERR n700 m=mKC R1:0.8 RXI:0.8 0.719 0.173 = 43 536 11 110 121 #TP, TM, FP, FW, ERR n700 m=mM R1:0.8 RXI:0.8 0.719 0.173 = 45 540 16 81 0.173 = 47 55 10 #TP, TM, FP, FW, ERR n700 m=mM R1:0.8 RXI:0.8 0.598 0.144 #mean TP TM FP FW ERR n700 m=mM R1:0.8 RXI:0.8 0.598 0.144 #mean TP TM FP FW ERR n700 m=mM R1:0.8 RXI:0.8 RXI:0.9
                                                                                                                                                                                                                                          ../12voicedata_ueki_all_q/speaker-verif-result.dat #oob prediction of training data 10.0971 0.029 0.389 0.006 = 91 538 16 51 0 #FP, TW, PP, PR, ERR N696 m=fins R1.0.8 RX.10.8 3 0.980 0.020 0.407 0.103 = 89 535 11 61 72 #FP, TW, PP, FR, ERR N696 m=fins R1:0.8 RX.10.8 9 0.984 0.016 0.361 0.088 = 92 543 9 5 61 #TP, TM, PP, FR, ERR N696 m=mfk R1:0.8 RX.10.8 8 0.990 0.040 0.322 0.098 = 97 531 22 46 8 #FP, TW, PP, FR, ERR N696 m=mk R1:0.8 RX.10.8 8 0.972 0.028 0.392 0.108 = 97 531 22 46 8 #FP, TW, PP, FR, ERR N696 m=mmk R1:0.8 RX.10.8 R3.0.974 0.020 8.0392 0.108 = 93 528 15 60 75 #FP, TM, PP, FR, ERR N696 m=mmk R1:0.8 RX.10.8 3 0.974 0.020 0.477 0.126 = 81 527 14 74 88 #FP, TW, PP, FR, ERR N696 m=mh R1:0.8 RX.10.8 C 0.983 0.037 0.408 0.121 = 93 519 20 64 # #TP, TW, FP, FW, ERR N696 m=mm R1:0.8 RXI:0.8 RXI:0.8 RXI:0.8 PX.10.08 0.389 0.106 #mean TP TN PP FN ERR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        no
                                 RXO.
RXO.
RXO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ../12voicedata_ueki_a11_q/fhs-go9-mko-kyu10-R0.8-p.dat
../12voicedata_ueki_a11_q/fms-hachi1-mmt-zero10-R0.8-p.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ../12voicedata_ueki_all_q/mkk-hachil-fms-kyu4-R0.8-p.dat
../12voicedata_ueki_all_q/mkc-hachil-mmh-kyu3-R0.8-p.dat
../12voicedata_ueki_all_g/mmt-hachil-mym-go5-R0.8-p.dat
../12voicedata_ueki_all_g/mmt-hachil0-mkk-asn10-R0.8-p.dat
../12voicedata_ueki_all_g/mmym-hachil0-mkk-si3-R0.8-p.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .../12voicedata_ueki_all_q/fhs-go9-fns-si3-R0,6-p_dat
.../12voicedata_ueki_all_q/fns-hachil-fhs-kyulo-R0,6-p_dat
.../2voicedata_ueki_all_q/mkr-hachilo-fhs-si1-R0,6-p_dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ../12voicedata_ueki_all_q/mko-hachilO-mmt-gollO-R0.6-p.dat
../12voicedata_ueki_all_q/mkt-hachilO-mkt-ni3-R0.6-p.dat
../12voicedata_ueki_all_q/mmh-hachil2-mko-si8-R0.6-p.dat
../12voicedata_ueki_all_q/mym-hachil2-mmh-san9-R0.6-p.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    for 1 in 1 2 3 4 5 6 7 8 9; do
                                 m=fms R0.8
m=mkk R0.8
m=mko R0.8
m=mmt R0.8
m=mnh R0.8
                                     n350
n350
n350
n350
n350
0.245 0.960 0.040 0.755 0.240 = 24 242 10 74 84 #TP,TN,PP,FN,ERR 10.193 0.973 0.027 0.887 0.253 = 17 255 7 71 78 #TP,TN,FP,FN,ERR 10.218 0.975 0.025 0.782 0.263 = 24 234 6 86 92 #TP,TN,FP,FN,FP,FR,ER 10.241 0.984 0.017 0.759 0.266 = 26 233 9 82 91 #TP,TN,FP,FR,ER 10.107 0.984 0.016 0.788 0.234 = 21 247 4 78 82 #TP,TN,FP,FR,ER 10.107 0.984 0.016 0.893 0.274 = 11 243 4 9.29 6 #TP,TN,FP,FN,ERR 10.10 0.965 0.035 0.989 0.243 = 18 247 9 76 85 #TP,TN,FP,FN,ERR 10.201 0.972 0.028 0.799 0.248 #mean TP TN FP FN ERR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #wc ${dq}/*R0.8* > ../wc.txt
#for ((n=10;n<700;n+=100)); do
# echo -n "L$n "; cat ../wc.txt|head -$n |tail -1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ../wc.txt|head -$n |tail -1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #D=(zero ichi ni san si go roku nana hachi kyu)
#R=(0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #for s in fhs; do
# for d in kyu. do
# for l in 9; do #for l in 'seq 19'; do #
# for r in 0.5; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #dn=${d1}_n; mkdir -p $\frac{d}{d}n #normalized #dm=${d1}_m; mkdir -p $\frac{d}{d}n #mixed signal #dp=${d1}_p; mkdir -p $\frac{d}{d}p #pole
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #wc ${dq}/fhs*R0.6* ${dq}/fhs*R0.8*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ( (RANDOM % n) + 1 ))#0-32767
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        fms mkk mko mmt mnh mym)
3 4 5 6 7 8 9)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #1s ${dq}/*R0.6* > ../wc.txt
#for ((n=10;n<700;n+=100)); do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ./12voicedata_ueki_all;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               101 .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          102
101
99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      102
104
104
102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100
101
100
98
105
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "; cat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             36 102
36 10
36 10
36 11
36 11
36 11
36 11
36 11
36 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  36
36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ##nohup sh/mkg.sh 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.020
0.025
0.015
0.059
0.020
0.020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         36 336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #S=(fhs fms mkk m
#L=(1 2 3 4 5 6 7
#D=(zero ichi ni
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              echo -n "L$n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          l_q/fhs-hachi5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #export LANG=C
                                                                                                                                                                                                                                                                0.641 0.971 0.678 0.689 0.980 0.678 0.984 0.678 0.984 0.678 0.984 0.678 0.960 0.523 0.974 0.0523 0.963 0.0611 0.972 0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ../wc.txt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ##S=(fhs mkk)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.439 0.980 0
0.428 0.975 0
0.425 0.985 0
0.418 0.941 0
0.2416 0.989 0
0.410 0.971 0
0.402 0.974 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #search lack
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ##L=(9 5)
##D=(zero)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   zeı
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #L310
#L410
#L510
#L610
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #1110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #L110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #L610
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #L10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #L10
                                                                                                                                                                                                                                                      cat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ueki_all_
1500 ‡
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             leki_al
         11448
1448
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
14553
1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1498
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1491
1492
1493
1494
1495
1496
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1489
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1497
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1501
```

```
1574 cmd="cobtgesekerdigit+sx.2018 spifhsifms:mk:mk:mk:mk:mx:zero:ichi:ni:san:si:go:roku:nana:hac.hi:kyu ntxi:9 k:36 mbas:2:${b}:${a}:1 dir:$dir1 dir2:$dir1 dir2:$dir1 dir2:$dir1 dir2:$dir1 dir2:$dir2 s:-1 N:${N} sx:${sx}"
1575 ceho $cmd.$cmd.$cmd
1576 cmd="cat ${dir1}\oob4s:-1N${N}mbas${mbas}$x${sx}, sxtat" ##cmd1="cat ${dir1}\oob4s:-1N${N}mbas2:300:1 6:1ax-1.ystat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #(2) この極配置をベクトル化する
cmiz=mskolizyb
pv2 sp:${sp} tx:${tx} k:8 Np:24 dix:tmp dix2:${dix} data:${dixp} rsa:2:20 tt:0:400 nt:18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #dirz=. /. //2012/12voicedata/allpole_fake
#dirz=. /. //2012/12voicedata/allpole_fake
cmd="############## or amply Check the program with two speakers
cmd="coobspeakerdigit-sA_2018 sp:fins:fms tx:zero:ichi ntx::9 k:36 mbas:$mbas dir:$dir1 dir2:$dir2 s:
cmd="coobspeakerdigit-sA_2018 sp:fins:fms tx:zero:ichi ntx::9 k:36 mbas:$mbas dir:$dir1 dir2:$dir2 s:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1596 #20180531 short exp
1597 #poledistribv2 sp.fhs tx:zerol N:24 k:8 m:poles4 dir:/media/sf_C_DRIVE/cdata/kurolab/data/12voicedat
3_ueki/12voicedata/zero rsa:2:0.7:1:20 DISP:1 DiffMode:0 tt:0:400 T:100
1598
                                                                                                                                                                                                                                         cmd="python speechmix:yey-v5 &dn2|-R${x} cmd="python speechmix:yey-v5 &dn2|-R${x} cmd-"python speechmix:yey-v5 &dn5||s|-S{d1}|-S{d1}|-Aat -y1 &dn/${a2}-${d2}}{2md-y5dm/${sm}.dat": $cmd > $dm/${sm}.dat": $cmd > $dm/${sm}.dat": $cmd > $dm/${sm}.dat": $cmd > $dm/${sm}.dat = m: $dm/${sm}.dat = m: $cmd > $dm/${sm}.dat = m: $dm/${sm}.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cmd2="mkpoleptv2+ st:$sm k:8 Np:24 dir:tmp dir2:${dm} dout:${dp} rsa:2:20 tt:0:400 nt:18 nr:2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DISP:1 DiffMode:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         tx=zero:ichi:ni:san:si:go:roku:sichi:hachi:kyu:rei:yon:nana:ku
dir=-.....(2012/172voicedata/zero ##~目分のたのフォルタの 解道に合わせて設定すべし!
dir=/media/sf_C_DBIVB/cdata/khro.pab/data/12voicedata_ueki/12voicedata_leki/12voicedata/sero
cmd="poledistribv2 sp:$(sp) tx:$(tx) N:24 k:8 m:poles4 dir:${dir} rss:2:0.7:1:20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                dir2=/media/sf_D_DRIVE/cdata/kurolab/data/20180206onsei/0.9/allpole
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #20140502 at messaho pair.datに選んだデータの pair.datに基準となるデータとランダムに選んだデータの ベアを書き込んでいる。 マアを書き込んでいる。 0.5-0.90 ファルダには基準となるデータをa=0.5-0.96 レたデータとランダムに選んだデータを1-a倍して足し合わせたデータをそれぞれ入れている。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #(0) 12voicedataの音声ファイルはkurolab2の植木君のディレクトリにあった
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        # http://home/kuro/sotu/2012/12voicedata_ueki.7zに保存した#(1) 1,2,3,...の適を抽出する
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     from Tagomori, modified by Kurogi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "$s2" != "$s" ]; then
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ../2012/12voicedata/allpole
                                                                                                                                                                                              in 5; do
                                                                                                                                   in san; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                dir1=../12voicedata/allpole
dir2=../0.9/allpole
       mkk; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              sp=fhs:mkk:mko:mmt:mnh:mym
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           echo "$cmd2"; $cmd2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ######### PC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    echo "$cmd1"; $cmd1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cmd="cp tmp/q.dat
make data-clean
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #########################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #########Burogi's PC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 sX=-1;a=1.6;b=300;N=30;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              sX=-1;a=1.6;b=300;N=40;
                                                                                                                                                                                              for 12
for s2 in
                                                                                                                            for d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           mbas=2:${b}:${a}:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 echo $cmd1;$cmd1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   make data-clean
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Į.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1542 # 1542 # 1542 # 1543 # 1544 # 1544 # 1544 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 1546 # 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          done;
                                                                                                                                                                                                                                         1532 # cmd
1533 # comd
1534 # ccmd
1536 # ccmd
1100 DISP:1. ccmd
1536 # ccmd
1537 # ccmd
1537 # ccmd
1538 # ccmd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20171124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1579 ######

1581 #####

1582 #(3) %#

1583 | 1584 | (0) 112

1584 #(1) 1, 1586 #(1) 1, 1588 #(1) 1, 1589 #(1) 1, 1589 #(1) 1, 1589 #(1) 1, 1592 #(1) 1, 1592 #(1) 1, 1592 #(1) 1, 1592 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1) 1, 1593 #(1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1578
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1577
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1540
```

```
1641 #result in '...', ...'2012/12voicedata/allpole/oob4s:-IN40mbas2:300:1.6:18x-1.y' and '.../../2012/12voice data/allpole/oob4s:-IN40mbas2:300:1.6:18x-1.y' and '.../../2012/12voice data/allpole/oob4s:-IN40mbas2:300:1.6:18x-1.yrstat'. reallSIMT/3810s user147m4.488s gcc 1642 0.920 0.937 0.033 0.080 1.6:19e-04 700 6 #TP.7M.PP.FMR.N.sm6 for check.

1643 #result in '..../2012/12voicedata/allpole/oob4s:-IN40mbas2:300:1.6:18x-1.yr and '.../2012/12voice 1643 #result in '.../2012/12voice 1643 #result in '.../2012/12voice 1644 1955 icc
                                                                                                                                                                            1606 #mkpoleptv2 calles
1607 #mkpoleptv1 sp:fhs tx:zero1 k:8 N:24 dir:tmp data:/media/sf_C_DRIVE/cdata/kurolab/data/12voicedata_u
eki/12voicedata/zerop rsa:2:20 tt:0:3170 nt:18 nr:2 r_max:2.000000 > /dev/null
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             # http://kurolab.cntl.kyutech.ac.jp/-kuro/sotu/2012/can2_voicedata,7zを解凍したもの
# 所々はkurolab2サーがの home/minsishl/can2dateを圧縮したもの (can2bの中身 は少し変えてる)
cmd="poledistriba2 ap:$(sp) tx:$(kx) N:24 k:8 mpolesd dir:$(dir} xsa:2:0.7:1:20 DISP:1 DiffMode:0 t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1631 dira=../../2012/12yoolcedata/alpole
1632 cmd="oobfspeakerdigit+ sp:fhs:fms:mkk:mkc:mmt:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu
ntxi:10 k:36 mbas:2:300:1,6:1 dir:fsdira s:-1 N:40";$cmd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cmd="mkpoleptv2 sp:${sp} tx:${tx} k:8 Np:24 dir:tmp dir2:${dir} data:${dirp} rsa:2:20 tt:0:400 nt:18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   16.14 (37) 0.0045pecker(ZHIJU-7-8.14) 特徴ペクトルvec(q) (離配置ペクトル)を入力し、
16.15 CANS(4)の出力ペクトル(53)を扱るプログラム
16.17 CAN フィル(?)には入力と出力のペフが保存されてるはず
16.17 Exee [20140502 at mesaho] for oob4speakerdigit+sX to make .../../2012/12voicedata/iconip14data/oob4
s:-1N40mbase2:300:1.6:1sx%[sX] 12.72voicedata/allpole/oob4s:-1N5(N]mbas2:%[b]:s{a}:1sx%[sx]nSs{nS}nDs{nD}.y
16.19 出力フィル名:.../../2012/12voicedata/allpole/oob4s:-1N5(N]mbas2:%[b]:s{a}:1sx%[sx]nSs{nS}nSs{nS}nDs{nD}.y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cmd="oob4speakerdigit+ sp:fhs:fms:mkk:mko:mmt:mnh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1657 #cmd="poledistribv2 sp:${sp} tx:${tx} N:24 k:8 m:poles4 dir:${dir} rsa:2:0.7:1:20 DISP:1 DiffMode:0 tt:0:400 T:100 DISP:0"
                                                                                         1605 #mkpoleptv2 sp:fhs tx:zerol k:8 Np:24 dir:tmp dir2:/media/sf_C_DRIVE/cdata/kurolab/data/12voicedata_ueki/12voicedata/zero data:/media/sf_C_DRIVE/cdata/kurolab/data/12voicedata_ueki/12voicedata/zerop rsa:2:20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1636 #see \lceil 20140502 at mesahoj for oob4speakerdigit+sX to make ../../2012/12voicedata/iconip14data/oob4s:-IN40mbas2:300:1.6:1sx\xi{sX}.y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #(2) この種配置をペクトル化する
sp=Elms:mlk #Joyotocedata has fns:mhk:mhy:mkh:mmo:msm:mss:mtn:mwk:mym
t=zedaigakul:daigakuc #daigaku has daigakul:daigaku2:daigaku3:daigaku4:daigaku5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #09voicedata involves fns:mhk:mhy:mkh:mmo:msm:mss:mtn:mwk:mym
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #01d(5)
(5) 話者認識・数字認識実験をする
cmd="loo4sprecogv1 sp:%{sp} tx:%{tx} k:36 N:20 dir:%{dirp} rsa:2:0.7:1:20"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                cmd="loo4sprecogv1 sp:${sp} tx:${tx} k:36 N:20 dir:${dirp} rsa:2:0.7:1:20"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     echo $cmd:time $cmd
0.920 0.967 0.033 0.080 1.619e-04 700 6 #TP,TN,FP,FN,EKR,H,SM6 for check.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20171122
H(1) 極格型ベクトルを作るプログラムの詳細は、readme-mineishi.txtを参照のこと
H(1) 酸を抽出する
sp=fns:mhk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #20160515 ICONIP2016の整理
#[0] sh/iconip16exp1.sh(speakerdigit_v8.cを使用) のオプションの説明
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ntxi:10 k:36 mbas:2:300:1.6:1 dir:$dira d:-1 N:40";$cmd
                                                                                                                                                                                                                                                                                                                                   (4) dirpの -p.datファイルをallpoleディレクトリに保存
cp ${dirp}/*-p.dat ../2012/12voicedata/allpole/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    dir=../can2_voicedata/09voicedata/daigaku
dirp=${dir}p
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ./2012/12voicedata/allpole
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (5) oob4speakerdigit+sX:
各話者の zero,...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (3) 話者認識実験をする
                                                                                                                                                   tt:0:400 nt:18 nr:2 r_max:2
                                                                                                                                                                                                                                                                                                                                                                                                                                    ###mew(5),(6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #話者CAN2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1633 数字CAN2
r_max:2"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          t:0:400 T:100"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     r_max:2"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (9)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16447
1648
1649
1651
1651
1653
1654
1655
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1623
1624
1624
1627
1628
1629
1630
1631
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1634
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1614
1615
1616
1617
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1658
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1660
1661
1662
1663
                                                                                                                                                                                                                                                                                 1608
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1621
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1635
```

```
export fpg=../result-speakerdetect/iconipl6post_gibbs:1:1:0.3:500L50tx3Su2td4/ProbDistSpeaker rm nohup.out;nohup sh ~/sotu/2015/can2b/sh/iconipl6post.sh gibbs:1:1:0.3:500 L15 3 2 4& #g-GEBI, aft
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #手順2-2(テスト)g-GEBI L15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cp nohup.out
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          finish,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       шz
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              nohup.
1808
1809
1810
1811
1812
1813
1814
1815
                                                                                                          1748
1749
1750
1751
1752
1754
1754
1756
1756
1757
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               export fpg=./result-speakerdetect/iconipl6post_gibbs:1:1:0.3:500L50tr3Su2td4/ProbbistSpeaker rm nohup.out.nohup sh ~/sotu/2015/can2b/sh/iconipl6post.sh gibbs:1:1:0.3:500 L11 3 2 4& #g-GEBI, aft finish, tail -9 nohup.out
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #g-GEBI, after
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      rm nohup.out;nohup sh ./sh/iconipl6post.sh gibbs:1:0.25:0 Ll1 3 2 4& #g-BI, after the finish, tail
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #define MAX_nr 3000
の導入と関連する商所の修正を行った。
(2) 指定語者の出現バターン (Droccep)を訓練時とテスト時で異なる設定ができるスクリプト
anticontiplepest - shを作成した。
以下に示す実験 何では、
手順2-1(訓練):指定語者の出現パターンを126(非指定語者100の後、20:50,15:50,10:50,5:50を繰り返す)と
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g-GEBI(glibbs:1:1:0,3:500)とg-BI(glibbs:1:0,25:0)をそれぞれ行う.
手順2-2(テスト):指定話者の出現パターンをL11(10:30の繰返),L12(20:30の繰返),L13(30:30),L14(5:30)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   # C0 C1 C2 C3 Number | Comparison | Comparis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       L15(15:30の繰返)としg-GEBI(gibbs:1:1:0.3:500)とg-BI(gibbs:1:0.25:0)で行い、その
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     # CO CI C2 C3 n wpi #Confusion Matrix for gibbs:1:0.25:0;DTCt=3;SiCs=2;tdR=4 0.750 0.199 0.048 0.003 798000 100 #p00 p01 p02 p03 n0 wp0 for CeOcretationary 0.446 0.464 0.085 0.005 25200100 #p10 p11 p12 p13 n1 wp1 for CI=crrransient 0.032 0.022 0.713 0.234 259000 100 #p20 p21 p22 p23 n2 wp2 for CI=crrransient 0.046 0.099 0.055 0.933 4277000 100 #p20 p21 p32 p33 n3 wp2 for C2=corransient 0.046 0.099 0.055 0.933 4277000 100 #p30 p31 p32 p33 n3 wp2 for C3=costationary 0.090 0.055 0.033 4277000 100 #p30 p31 p32 p33 n3 wp2 for C3=costationary 0.090 0.055 0.030 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            # CO C1 C2 C3 n wpi #Confusion Matrix for gibbs:1:0.25:0;DTCt=3;SiCs=2;tdR=4
0.44 0.311 0.043 0.001 735000 100 #p00 p01 p02 p33 n0 wpf for C0-Extransiant
0.496 0.423 0.076 0.005 315000 100 #p10 p01 p1 p13 p13 n1 wpi for C1=Extransiant
0.039 0.044 0.772 0.165 322000 100 #p20 p21 p22 p23 n2 wp2 for C3=Corransiant
0.006 0.014 0.089 0.890 3324000 100 #p30 p31 p32 p33 n3 wp2 for C3=Corransiant
# CO C3 N #Confusion Matrix valid undecidable
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       結果を示している

1. 上の倒では、g-GEBIGはbbs:11.10.3:1500)とし、g-GEBIの刮期化の時刻は500となっているが、これを

適う値300,400,500,600などに対し、5000後にことも確かめられる(?いくつかの実験倒に確かめただけで、

におか上の各例で言えるかどうか追加実験して下さい)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cp nohup.out .../result.speakerdetect/lconipl6post_gibbs:11:0.3:500111tr38u2td4 # # \mathbb{R}2-2(\overrightarrow{7} \overrightarrow{A} \nearrow ) g-BI&L11 export fpg=../result-speakerdetect/lconipl6post_gibbs:1:0.25:0L50tr38u2td4/ProbDistSpeaker
                                                                                                                                                                                                                              || This speakerdigit_v8.cのパグを修正した。
| 主なパグは、訓練およびテストの時系列の長さを変えると、エラーがでることであり、次の2つの変数。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.995 0.005 #pc01c0 pc01c3 nc01betected/nc01all= 714546/1050000=0.681 0.006 0.004 #pc23c0 pc23c3 nc23betected/nc33all=4076443/4536000=0.889 cp nohup.out ./result-speakerdetect/iconipl6post_gibbs:1:0.25:0L50tr3Su2td4 ########1.1.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.996 0.004 #pc01c0 pc01c3 nc01Detected/nc01all= 631890/1050000=0.602 0.011 0.989 #pc23c0 pc23c3 nc32Detected/nc23all=2963352/3556000=0.833 cp nohup.out ../resull-speakerdetect/iconipl6post_gibbs:1:0.25:0L1ltr3Su2td4 ########112 #######112 ######## \frac{1}{4} ######## \frac{1}{4} ######## \frac{1}{4} % 9-GEBI&L12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #ハードディスクの容 量オーバーのため訓練データを残して再実験のときは以 下の2行を行う
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ##########150 oxiginal
###手順2-1(訓練)g-GBBI(gibbs:1:1:0.3:500)&L50(L50に対するテストも行われる)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.995 0.005 #pc01c0 pc01c3 nc01Detected/nc01all= 655935/1050000=0.625 0.004 0.996 #pc23c0 pc23c3 nc23Detected/nc23all=2800462/3556000=0.788
                                                                                                                                                                                                                                                                                                                      #define MAX_nDTCoCp 200 ///#define MAX_nDTCoCp 500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #手順2-2(テスト)g-GEBI&L11 better than g-BI below
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #chmod 555 ../result-speakerdetect/*L50*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #rm -rf ../result-speakerdetect/*
                                                                                                                   ########################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.996 0.004 4
                                                                                                                                                        20161104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1688 | 3 | 3 | 1689 | 1699 | 1699 | 1699 | 1699 | 1699 | 1699 | 1699 | 1699 | 1699 | 1699 | 1699 | 1699 | 1699 | 1699 | 1699 | 1699 | 1699 | 1699 | 1699 | 1699 | 1699 | 1699 | 1699 | 1699 | 1699 | 1699 | 1699 | 1699 | 1699 | 1699 | 1699 | 1699 | 1699 | 1711 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 | 1709 
Scmd
                                                                                                                                                                                                                              1676
1676
1677
1679
1680
1681
1683
1683
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1687
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

aft op nohup.out .../result-speakerdetect/iconipi6post_gibbs:1:10.3:500L13tr3Su2td4 ## M2-2f 7x h 9-BH 11.13 export tpg=../result-speakerdetect/iconipi6post_gibbs:1:0.25:0150tr3Su2td4/ProbbistSpeaker rm nohup.out.nohup sh ./sh/iconipi6post.sh gibbs:1:0.25:0 L13 3 2 4& #g-BI, after the finish, tail aft aft export fpg=../result-speakerdetect/iconipl6post_glbbs:1:0.25:0L50tx3Su2td4/ProbDistSpeaker rm nohup.out,nohup sh ./sh/iconipl6post.sh glbbs:1:0.25:0 L12 3 2 4& #g-BI, after the finish, tail tail op nohup.out .../result-speakerdetect/iconipl6post_gibbs:1:0.25:0L13tr3Su2td4 #手順之でラスト)のEBBL Li4 worse than g-BI !!! export fpg=../result-speakerdetect/iconipl6post_gibbs:1:1:0.3:500L50tr3Su2td4/ProbbistSpeaker rm nohup.out;nohup sh -/sotu/2015/can2b/sh/iconipl6post.sh gibbs:1:1:0.3:500 L14 3 2 4& #g-GEBI, oort fpg=../result-speakerdetect/iconipl6post_gibbs:1:1:0.3:500L50tr3Su2td4/probDistSpeaker nohup.out;nohup sh ~/sotu/2015/can2b/sh/iconipl6post.sh gibbs:1:1:0.3:500 L12 3 2 4& #g-GEBI, " result for . . . / result repeakerdetect/iconiplepost_gibbs:1:1:0.3:500L50tr3Su2td4/ProbDistSpeaker rm nohup.out.inohup sh -/sotu/2015/can2b/sh/iconiplepost.sh gibbs:1:1:0.3:500 L13 3 2 4& #g-GEBI, finish, tail -9 nohup.out
CO C1 C2 C3 n wpi #Confusion Matrix for gibbs:1:1:0.3:500,PTCt=3;SiCs=2;tdR=4
0.011 0.180 0.746 0.063 180000 100 #P00 p01 p02 p03 n0 wp0 for C0=Crstationary
0.215 0.419 0.346 0.010 270000 100 #p20 p1 p12 p13 n1 wp1 for C1=Crtransient
0.001 0.008 0.464 0.527 276000 100 #p20 p21 p22 p23 n2 wp2 for C2=Cotransient
0.002 0.007 0.086 0.305 2772000 100 #p20 p31 p22 p23 n2 wp2 for C3=Cotransient
0.002 0.007 0.086 0.505 2772000 100 #p30 p31 p22 p33 n3 wp2 for C3=Cotransient
0.001 0.008 p1 p20 2772000 100 #p30 p31 p22 p33 n3 wp2 for C3=Cotransient
0.001 0.008 p1 p20 C01C3 nC01Detected/nC02all=2659932/30480000=0.171
0.002 0.998 #pC3200 pC23C3 nC23Detected/nC23all=2659932/3048000=0.873 the finish, tall — nohupout

1749 0.00 C cl C 2 3 n wpl #Confusion Matrix for gibbs:11:0.3500;DTCL=3/36S=2/1dR=4
1749 0.900 0.033 0.017 0.000 1785000 100 #p00 p01 p02 p03 n0 wp0 for Co=Crstationary
1750 0.336 0.331 0.268 0.005 315000 100 #p00 p11 p12 p13 n1 wp1 for Cl=Crtransient
1751 0.013 0.328 0.551 0.095 322000 100 #p20 p21 p22 p23 n3 wp2 for C2=Cotransient
1752 0.03 0.008 0.160 0.389 323400 100 #p20 p21 p32 p33 n3 wp2 for C3=Cotransient
1753 0.03 0.008 0.160 0.001 mp20 p21 p32 p33 n3 wp2 for C3=Cotransient
1754 0.999 0.001 #pCOIC3 nCOIDEtected/nCOIall=1713915/21000000=0.816
1755 0.005 0.999 #pC2200 pC2320 nC22Detected/nCOIall=1713915/2100000=0.816 port fpg=../result-speakerdetect/iconipl6post_gibbs:1:0.25:0L50tr3Su2td4/ProbDistSpeaker
nohup.out.inohup sh ./sh/iconipl6post.sh gibbs:1:0.25:0 L14 3 2 4& #g-BI, after the finish, # CO C1 C2 C3 n wpi #Confusion Matrix for gibbs:1:0.25:0;DTCt=3;SiCs=2;tdR=4 0.884 0.105 0.100 0.000 2835000 100 #p00 p01 p02 p03 n0 wpo for C3-Crstationary 0.496 0.423 0.077 0.005 31500 100 #p00 p11 p12 p13 n1 wpl for C1=Crtransient 0.039 0.035 0.782 0.154 322000 100 #p20 p21 p22 p33 n2 wp2 for C2=Cotransient 0.006 0.014 0.090 0.890 3234000 100 #p20 p21 p22 p33 n2 wp2 for C3=Cotransient 0.006 0.014 0.090 0.890 3234000 100 #p30 p31 p32 p33 n3 wp2 for C3=Cotransient 0.090 0.999 0.001 #pc01C9 pc01C3 nC23C3 nC2 # C0 C1 C2 C3 n wpi #Confusion Matrix for gibbs:1:0.25:0;DTCt=3;SiCs=2;tdR=4 0.233 0.274 0.453 0.050 180000 100 #500 p01 p02 p03 n0 wpo for C0=Crstationary 0.303 0.576 0.113 0.008 270000 100 #500 p11 p12 p13 n1 wpl for C1=Crtransient 0.010 0.013 0.555 0.442 276000 100 #p30 p21 p22 p23 n2 wp2 for C2=Cotransient 0.005 0.015 0.083 0.898 2772000 100 #p30 p21 p22 p23 n3 wp2 for C2=Cotransient 0.005 0.015 0.083 0.898 2772000 100 #p30 p31 p32 p33 n3 wp2 for C3=Costationary 0.005 0.015 0.084 #pc01C9 pc01c3 nC12betected/nc01all = 133110/ 450000=0.296 0.994 #pc23C0 pc023C3 nC23betected/nc01all = 133110/ 480000=0.862 cp nohup.out ../result-speakerdetect/iconipl6post_gibbs:1:1:0.3:500L12tr3Su2td4 ## \mp @2-2(\mp λ) g-BI L12 cp nohup.out ../result-speakerdetect/iconipl6post_gibbs:1:1:0.3:500L14tr3Su2td4 #手順2-2(ラスト)g-BI L14 ../result-speakerdetect/iconip16post_gibbs:1:0.25:0L14tr3Su2td4

```
1900 ###rm
the finish,
1901 ###
                                             after the
                                                1913
                                        1911
                   1903
1904
1905
1906
1907
1908
1909
      export fpg=../result-speakerdetect/iconipl6post_gibbs:1:0.25:0L50tr3Su2td4/ProbDistSpeaker rm nohup.out;nohup sh ./sh/iconipl6post.sh gibbs:1:0.25:0 L15 3 2 4k #g-BI, after the finish, tail
#手順2-2(デスト)g-BI L15
```

readmecan2mspeech.txt

```
1914 ### 100 0 0.032 0.032 0.032 0.032 18000 0.00 8000 0.01 20 20 20 20 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030 
                                                                           ~/sotu/2015/can2b/sh/iconip16post.sh gibbs:1:1:0.3:500 L14 3 2 4& #g-GEBI,
                                                                                                                                                                                                                                                                                                                                                                                                                                               ###export fpg=../result-speakerdetect/iconip16exp1+_gibbs:1:1:0.3:100L10tr3Su2td4/ProbDistSpeaker
                                                          ###export fpg=../result-speakerdetect/iconip16exp1+_gibbs:1:0.25:0L10tr3Su2td4/ProbDistSpeaker
../result-speakerdetect/iconip16post_gibbs:1:1:0.3:500L11tr3Su2td4
                                                                                                                                                                                                                                                                                                                                                                 ###cp nohup.out ../result-speakerdetect/iconip16post_gibbs:1:0.25:0L11tr3Su2td4
                                111
                                ####g-BI with fpg for
```

સ

Page

Page 32

##m nohup.out.nohup sh \sim /sotu/2015/can2b/sh/iconip16exp1+.sh gibbs:1:1:0.3:200 L10 3 2 4& #g-GEBI, ###rm nohup.out;nohup sh ~/sotu/2015/can2b/sh/iconip16exp1+.sh gibbs:1:1:0.3:600 L10 3 2 4& #g-GEBI; #### C0 C1 C2 C3 n wpi #Confusion Matrix for gibbs:1:1:0.3:200.DTCt=3:SiCs=2:tdR=4 ###0.680 C218 0.073 0.003 1197000 100 #800 pol p02 p03 n0 wgo for C0=Crsetationary ###0.382 0.495 0.119 0.005 378000 100 #800 pol p02 p03 n0 wgo for C1=Crtransient ###0.382 0.495 0.119 0.005 378000 100 #800 pol p1 p12 p13 n1 wpl for C1=Crtransient ###0.000 0.666 0.662 0.271 385000 100 #820 p21 p22 p23 n2 wp2 for C2=Cotransient ###0.001 0.015 0.103 0.881 3801000 100 #820 p21 p22 p23 n3 wp2 for C3=Costationary ###0.94 0.066 #pc01c0 pollc3 ncOllbetected/able ###0.94 0.066 #pc01c0 pc01c3 ncOllbetected/able ###0.94 0.066 #pc01c0 pc01c3 ncOllbetected/able ###0.99 #pc23c0 pc23c3 ncC23Detected/ncC23all=3456817/4186000=0.826 ##### CO CI C2 C3 n wpi #Confusion Matrix for gibbs:1:1:0.3:600;DTCt=3;SiCs=2;tdR=4 ###0.800 0.127 0.049 0.004 1197000 1000 #p00 p01 p02 p03 n0 wpo for Co-exstationary Casteriorary ###0.281 0.545 0.167 0.007 378000 100 #p20 p1 p12 p13 n1 wpl for C1=Crtransient ###0.010 0.389 0.392 0.302 858000 100 #p20 p21 p22 p23 n2 wp2 for C2=Cotransient ###0.004 0.390 0.392 0.302 858000 100 #p20 p21 p22 p23 n2 wp2 for C3=Cotransient ###0.00 0.014 0.128 0.856 3801000 100 #p20 p31 p32 p23 n3 wp2 for C3=Costationary ##### C0 C3 N #Confusion Matrix using undecidable p15/15750000 0.695 ###0.004 0.996 #pc23C0 pc23c3 nc22Betected/AC011=1.99511=3.74576000=0.695 ###0.004 0.996 #pc23C0 pc23c3 nc22Betected/AC011=3.345573,4186000=0.799 ../result-speakerdetect/iconip16exp1+_gibbs:1:1:0.3:500L10tr3Su2td4 ../result-speakerdetect/iconip16exp1+_gibbs:1:1:0.3:600L10tr3Su2td4 ####GEBI best t_00=200? best for 0.999=C3detected? ###cp nohup.out

###rm nohup.out/nohup sh -/sotu/2015/can2b/sh/iconip16exp1+.sh gibbs:1:1:0.3:1e8 L10 3 2 4& #g-GEBI, ###rm nohup.out;nohup sh ~/sotu/2015/can2b/sh/iconip16exp1+.sh gibbs:1:1:0.3:400 L10 3 2 4& #g-GEBI, n wpi #Confusion Matrix for gibbs:1:1:0.3:1e8;DTCt=3;SiCs=2;tdR=4 ../result-speakerdetect/iconip16exp1+_gibbs:1:1:0.3:200L10tr3Su2td4 #### C0 C1 C2 C3 n wpl #Confusion Matrix for gibbs:1::10.3:1e8!DTCt=### C49 0.729 0.149 0.079 31900 010 ##900 010 pg pop 02 pg 10.970 for C0-creatationary #### 0.773 0.149 0.0779 31900 0.079 319000 100 ##900 pol poz pg 310 wpl for C1=Creatationary #### 0.773 0.149 0.209 0.079 319000 100 ##90 pol pl plz pl3 nl wpl for C1=Creatasient #### 0.008 0.086 0.329 0.38000 100 ##920 pol pl plz pl3 nl wpl for C1=Cortansient #### 0.000 0.086 0.099 0.905 3801000 100 ##920 pl pl2 pl3 nl wpl for C3=Cortansient #### 0.35 0.086 pc01C3 pc01C3 nc01DectedAndala psd placationary ### 0.950 0.059 ##0.0103 nc01DectedAndala 988344/1575000=0.628 ###0.099 0.991 ##0.3300 pc23C3 nc23DecectedAnc23all=5883510/4186000-0.886 ###cp nohup.out ../result-speakerdetect/iconip16exp1+_gibbs:1:1:0.3:1e8L10tr3Su2td4 ###cp nohup.out ../result-speakerdetect/iconip16exp1+_gibbs:1:1:0.3:400L10tr3Su2td4

 $\#\#\#m\ nohup.out; nohup\ sh\ \sim /sotu/2015/can2b/sh/iconip16exp1+.sh\ gibbs: 1:0.25:0\ L11\ 3\ 2\ 4\&\ \#g-BI,\ afterline and the shape of the shape o$ the finish, tail -9 nobup out

the finish, tail -9 nobup out

CO C1 C2

CO C1

C2 C3 Nove the finish of the formulation Matrix for gibbs:1:1:0.3:100;DTCt=3;SiCs=2;tdR=4

0.760 0.139 0.044 0.005 1197000 100 #p00 p01 p02 p03 n0 wp0 for C0=Cretanient

0.500 0.29 0.048 0.044 385000 100 #p00 p11 p12 p13 n1 wp1 for C1=Crtranient

0.500 0.39 0.08 0.982 380000 100 #p00 p11 p32 p33 n3 wp2 for C2=Corransient

0.05 0.013 0.069 0.892 380000 100 #p00 p31 p32 p33 n3 wp2 for C3=Costationary

0.00 0.03 N #Confluents Matrix using undecidable

0.00 #p00:00 #p00:00 p00:00 p00

```
#20160411->20160515 ICONIP2016
  #########iconip16.shを参照
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #ICONIP2016 Table 1(b)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #ICONIP2016 Table1(a)
                                                                                                                                                                                                                                                                                                                                                                                                   <gi>: 90, 91,92
                                                                                                                                                  GEBI
                                                                                                                                              -->Fiq2(b)
                                                                         #-->Fig2(a)
                                                                                                                                                                                                                                                         #(4) q-GEBI
                                                                                                                                                                                  #(3) g-BI
                                                                                                            #(2) GEBI
                                                                                                                                                                                                                                                                                                                            以下、結果
                                                        us dnyou
                                                                                                                                 us dnyou
                                                                                                                                                                                                                                                                            us dnyou
                                       #(1) BI
                                                                                                                                                                                                                                                                                                                                                                                    #Usage:
                                                                       2154 ###nohup sh ~/sotu/2015/can2b/sh/iconipl6expl.sh gl04 Ll0 3 2 4& #9-GEBI, after the finish, tail -9 nohup out
2155 #### CO Cl C2 Cl Mpi #000 Matrix for glbbs:1:1:0.3:300;DTCt=3;SiCs=2;tdR=4
2156 ###0.760 0.166 0.070 0.004 1197000 100 #p00 p01 p02 p03 n0 wp0 for C0-Crstationary
2157 ###0.036 0.207 0.894 0.008 378000 100 #p00 p11 p12 p13 n1 wp1 for C1-Crtransient
2158 ###0.005 0.207 0.589 0.198 385000 100 #p00 p11 p12 p13 n1 wp1 for C1-Crtransient
2159 ###0.004 0.207 0.589 0.198 385000 100 #p30 p21 p22 p23 n2 wp2 for C2-Cotransient
2160 #### C0 C3 N #Confusion Matrix using undecidable
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          \###nohup sh \sim/sotu/2015/can2b/sh/iconip16exp1.sh g102 L10 3 2 4& #g-GEBI, after the finish, tail -9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         \#\#nohup sh \sim/sotu/2015/can2b/sh/iconip16exp1.sh g103 L10 3 2 4% <math>\#g-GEBI, after the finish, tail -9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #### C0 C1 C2 C3 n wpi #Confusion Matrix for gibbs:1:1:0.3:200;DTCt=3;SiCs=2;tdR=4 ###0.730 0.197 0.050 0.004 1197000 100 #p00 p01 p02 p03 n0 wpo for C0=Cretationary ###0.312 0.509 0.171 0.008 378000 100 #p10 p11 p12 p13 n1 wpl for C1=Crrtansient ###0.002 0.114 0.699 0.185 385000 100 #p20 p21 p22 p23 n2 wp2 for C3=Cortansient ###0.000 0.011 0.123 0.866 3801000 100 #p20 p21 p22 p23 n2 wp2 for C3=Cortansient ###0.00 0.011 0.123 0.866 3801000 100 #p20 p21 p22 p23 n3 wp2 for C3=Cortansient ### C0 C3 N #confusion Matrix using undecidable ### 0.992 0.008 #pc01c0 pc01c3 nc01Detected/nc01all=99558/18750000 0.635 ### 0.992 0.008 #pc01c0 pc01c3 nc01Detected/nc01all=393661/41860000-0.835
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #### C0 C1 C2 C3 n wpi #Confusion Matrix for gibbs:1:1:0.3:100;DTCt=3;SiCs=2;tdR=4 ###0.343 0.187 0.067 0.003 1197000 100 #p00 p01 p02 p03 n0 wpo for C0=Crstatationary ###0.541 0.368 0.085 0.006 378000 100 #p10 p11 p12 p13 n1 wpl for C1=Crtransient ###0.008 0.017 0.028 0.657 0.288 385000 100 #p20 p21 p22 p23 n2 wp2 for C3=Cortansient ###0.008 0.017 0.092 0.883 3801000 100 #p20 p31 p32 p33 n3 wp2 for C3=Costationary ###0.95 0.005 #pc01C0 pc01C3 nc01Detected/nc01all=1099728/1575000=0.698 #pc01C0 pc01C3 nc01Detected/nc01all=109978/1575000=0.698 #pc03C0 pc03C3 nc01Detected/nc02all=3507966/4186000=0.838
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ###0.048 0.018 0.769 0.165 322000 100 #p20 p21 p22 p23 n2 wp2 for C2=Cotransient t #p#0.010 0.10 0.087 0.890 2334000 100 #p30 p51 p32 p33 n3 wp2 for C3=Costationary #### C0 C3 N #Confusion Metrix using underidable
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (b)g11:GBB1
(c)g01:g-GBB1 t_0=500 (p4の式(8):初期化する時刻t_0;論文p.6の下から2行目t-t_0>=500)
(e)g2:g-GBB1 t_0=200 (論文p.60下から2行目t-t_0>=500) ICONIP2016では使用してない。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ### C0 C3 N #Confusion Matrix using undecidable ###0.992 0.008 #pc01c0 pc01c3 nc0lDetected/nc0lall=1041516/1575000=0.661 ###0.095 #pc23c0 pc23c3 nc23betected/nc2aall=3342214,486000=0.799
                                                      ###0.997 0.003 #pc01c0 pc01c3 nc0lDetected/nc0lall= 683655/1050000=0.651 ###0.017 0.983 #pc23c0 pc23c3 nc23Detected/nc23all=2982420/3556000=0.839
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ../result-speakerdetect/iconip16exp1_g104L10tr3Su2td4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ../result-speakerdetect/iconip16exp1_g102L10tr3Su2td4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ###cp nohup.out ../result-speakerdetect/iconip16exp1_g103L10tr3Su2td4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #[0] sh/iconip16exp1.sh(speakerdigit_v8.cを使用) のオプションの説明
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #20160515 ICONIP2016の整理
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ##############
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ###cp nohup.out
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ###cp nohup.out
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (a)g10:BI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2161 ###
2163 ###
2164 ###
2165 ###
2165 ###
2167 ###
2168 ###
2170 ###
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2175 ##
2176 ##
nohup.out
2177 ##
2178 ##
```

2179 2180 2181 2181 2182 2183 2184 2185 2186 2186 2187 2188 2188 2189 2189 2190

```
nohup sh ~/sotu/2015/can2b/sh/iconip16expl.sh gl L9 3 2 4
tcall - 8../result-speakerdetect/iconip16expl_glL9tr38u2td4/nohup.out
# C0 C1 C2
C3 c3 c26 n.ppi #Confusion Matrix for gibbs:1:1:0.3:500;DTCt=3;SiCs=2;tdR=4
0.553 0.260 0.157 0.080 140000 100 #p00 p01 p02 p03 n0 wp0 for Co=Crestationary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              # C0 C1 C2 C3 n wpi #Confusion Matrix for gibbs:1:0.25;0:DTCt=3;SiCs=3;tdR=4
0.867 0.022 0.103 0.007 266000 100 #p00 p01 p02 p03 n up p0 for C0=crstationary
0.682 0.104 0.177 0.037 84000 100 #p00 p10 p12 p13 n l wpl for C1=crtransient
0.413 0.091 0.355 0.144 p1000 100 #p20 p21 p22 n w2a to C1=crtransient
0.413 0.091 0.355 0.144 p1000 100 #p20 p21 p23 n wp2 for C2=Cotransient
0.213 0.477 0.178 0.562 1155000 100 #p30 p31 p32 p33 n wp2 for C3=costationary
0.013 0.047 0.178 0.562 115500 100 #p30 p31 p32 p33 3 wp2 for C3=costationary
0.013 m Wconfusion Matrix using undecidable
0.983 0.017 #p001C0 pc01C3 nc01Detected/nc03nall = 292880/350000=0.837
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          <DICt> <SiCs> <tdR>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        nohup sh ~/sotu/2015/can2b/sh/iconipl6expl.sh g1 L1 3 2 4& tail -8 ../result-speakerdetect/iconipl6expl_g1Lltr3Su2td4/nohup.out
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       nohup sh ~/sotu/2015/can2b/sh/iconip16expl.sh g0 Ll 3 3 4 \kappa tail -8 ../result-speakerdetect/iconip16expl_g0Lltr3Su3td4/nohup.out
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          48
                                                                                                                                                                                                                                                                                                                 ~/sotu/2015/can2b/sh/iconip16exp1.sh gl Ll 3 2 4&
L1 3 2
                                                                                                                                                                                                         L1 3 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ### <SiCs>=3;unregisterd speaker not used in iconip2016
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ~/sotu/2015/can2b/sh/iconip16exp1.sh
                                                                                                    검
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        <[n>: L0, L1, L2, ...

cDrCt>:length of transient period

<cSiCs>:2 for registered only 3 for unregistered

<ctd>ctdts: delay of Detaction
910
                                                                                                    911
                                                                                                                                                                                                         90
~/sotu/2015/can2b/sh/iconip16exp1.sh
                                                                                                    ~/sotu/2015/can2b/sh/iconip16exp1.sh
                                                                                                                                                                                                         nohup sh ~/sotu/2015/can2b/sh/iconip16exp1.sh
# -->Fig2(c), Fig3(a), Table1(a)
                                                                                                                                                                                                                                                                                                                                          # -->Fig2(d), Fig3(b), #Table 1(b)
```

```
nohup sh -/sotu/2015/can2b/sh/iconipl6expl.sh q2 il 3 2 4
tail ../result-speakerdetect/iconipl6expl.sh q2 il 3 2 4
tail ../result-speakerdetect/iconipl6expl_gill.ts382dd4bubu.out
# CO Cl C2 C3 0n wull #COnfloads pp 50 3 no wps 11:0.3:10000;DTCt=3;SiCs=2;tdR=4
0.744 0.156 0.056 0.004 26600 100 #p00 poll p02 p03 no wpo for target C3-Cp
0.197 0.579 0.218 0.007 84000 100 #p10 p11 p12 p13 nl wpl for target C1=Ctp
0.005 0.509 0.217 0.994 1155000 100 #p20 p21 p22 p23 n2 wp2 for target C2-Ctc
0.000 0.005 0.101 0.694 1155000 100 #p30 p31 p32 p33 n3 wp2 for target C3-Cc
# CO C3 N #Modified Contain Matrix
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1.000 0.000 654528 #p00 p03 N0 for target C0=Cp
       2360
2361
2362
2363
2364
2365
2367
2367
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      nohup sh ~/sotu/2015/can2b/sh/iconip16expl.sh g10 L1 3 2 4& tail ../result-speakerdetect/iconip16expl_g10L1tr3Su2td4/nohup.out # C0 C1 C2 C3 n wpi #Confusion Matrix for gibbs:1:1:0:DTCt=3;SiCs=2;tdR=4 #result of
                                                                                                                                                                                                             tail -8 ../result-speakerdetect/iconipl6expl_glLltr38u2td4/nohup.out cl 2 c3 n wpi l#Confusion Marix for gibbs:1.10.3:100.3TCt=3/SiCs=2/tdR=4 c0 c1 c2 c3 n wpi l#Confusion Marix for gibbs:1.10.3:100.3TCt=3/SiCs=2/tdR=4 c0.657 0.737 0.005 266000 100 #b00 tp.02 p03 n0 wpo for co-cretarionary co.657 0.278 0.051 0.004 84000 100 #b00 p1 p02 p03 n0 wpo for c1-crtransient co.019 0.007 0.008 0.455 p1000 100 #b00 p11 p12 p13 n1 wpl for C1-crtransient co.019 0.009 0.053 0.919 1156000 100 #b00 p21 p32 p33 n2 wp2 for C3-cotambient co.019 0.009 0.033 0.919 1156000 100 #b00 p31 p32 p33 n3 wp2 for C3-cotambient co.019 0.009 p20 0.003 0.919 1156000 100 #b00 p31 p32 p33 n3 wp2 for C3-cotambient co.019 0.009 p20 0.003 0.003 nC01bc+ccted/nC02all=261982/ 350000-0.749 0.004 #pc021C0 pc0213C3 nC01bc+ccted/nC02all=1127616/1246000-0.096
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           nohup sh ~/sotu/2015/can2b/sh/iconipl6expl.sh g0 Ll 3 2 4&
tail ../result-speakerdetect/iconipl6expl_g0Lltx3Su2td4/nohup.out
# CO Cl 2 n nyil #Confuston Marix for gibbs=1:0.55:0;DTCt=3;SiCs=2;tdR=4
0.752 0.200 0.455 0.033 26600 100 #p00 p01 p02 p03 n0 wp0 for target Cl=Ctp
0.445 0.462 0.087 0.006 84000 100 #p00 p01 p02 p03 n0 wp0 for target Cl=Ctp
0.031 0.20 0.579 0.279 91000 100 #p20 p21 p22 p23 n2 wp2 for target C2=Cto
0.006 0.011 0.655 0.918 1155000 100 #p30 p31 p32 p33 n3 wp2 for target C3=Co
0.006 0.011 0.656 0.918 1155000 100 #p30 p31 p32 p33 n3 wp2 for target C3=Co
0.006 0.911 1.09488e+06 #p30 p33 N3 for target C3=Co
0.009 0.991 1.09488e+06 #p30 p33 N3 for target C3=Co
0.009 0.991 1.09488e+06 #p30 p33 N3 for target C3=Co
0.0164 0.836 1596000 #pNT 1-PNT num-of-all-data
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.244 0.681 0.059 0.015 210000 100 #pl0 pl1 pl2 pl3 nl wpl for Cl=Crtransient cl. 131 0.018 0.882 0.469 217000 100 #p20 #p21 p22 ps3 ns wp2 for C2=Cotransient cl. 0.029 0.008 0.050 0.913 2289000 100 #p30 ps1 ps2 ps3 ns wp2 for C3=Costationary cl. 0.29 0.008 0.050 0.913 2289000 100 #p30 ps1 ps2 ps3 ns wp2 for C3=Costationary cl. 0.894 0.106 #pc01c0 pcclcs ncollectecdeforcollable and ps2 ps3 ns wp2 occlcs ncollectecdeforcollable cl. 0.959 #pc3300 pc2023 ncollable collable colla
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1.028 0.758 0.207 0.007 266000 100 #p00 p01 p02 p03 n0 wp0 for target CO=CP 0.027 0.957 0.009 0.007 84000 100 #p10 p11 p12 p13 n1 wp1 for target CI=Ctp 0.012 0.985 0.013 9.1000 100 #p20 p21 p22 p23 n2 wp2 for target CI=Ctp 0.001 0.046 0.915 0.013 1.0500 100 #p30 p21 p22 p23 n3 wp2 for target C2=Cto 0.010 0.046 0.915 0.01156000 100 #p30 p21 p32 p33 n3 wp2 for target C3=Co C3 N #Modified Confusion Matrix C C3 N #Modified Confusion Matrix 0.799 0.21 12166 #p00 p33 N3 for target C3=Cp 0.028 0.972 45164 #p30 p33 N3 for target C3=Cp 0.028 0.972 45164 #p30 p33 N3 for target C3=Cp 0.026 0.036 1590000 #pNT 1-pNT num-of-all-data
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      nohup sh ~/sotu/2015/can2b/sh/iconip16exp1.sh g1 L1 3 2 4&
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ##############################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2303
```

3369 0.993 0.007 22874# #pu00 pp3 NO 1or target CO=Cp 3370 0.000 1.000 1.05277e+66 #p30 p33 N3 for target C3=Co 3371 0.198 0.802 1596000 #PNT 1-PNT num-of-all-data	7374 nohup sh ~/sotu/2015/can2b/sh/iconipl@expl.sh g0 Ll 0 2 4& 3737 tall/result-speakerdetect/cionipl@expl.gollrtvoldbu2dd4hohup.out 3737 tall/result-speakerdetect/cionipl@expl.gollrtvoldbu2dd4hohup.out 3737 cl Cl Cl Cl Cl Cl Cl Cl m wpi #Confusion Martix for gibbs:10.25:0:DTCt=0;SiCs=2;tdR=4 3737 0.973 0.000 0.000 0.027 350000 100 #p00 pol p02 p03 n0 wp0 for target Cl=Cp 3737 nan nan nan nan		1399 nohup sh ~/sotu/2015/can2b/sh/iconipléexpl.sh g0 L1 0 2 0& 1399 tail/result-speakerdetect/iconipléexpl_g0L1tr0Su2td0/nohup.out 1400 # C0 C1 C2 C3 nwpi #confusion Matrix for glabs:1:0,25:0;DTCt=0;SiCs=2;tdR=0 1401 0.885 0.000 0.115 350000 100 #p00 p01 p02 p03 n0 wp0 for target C0=Cp 1402 nan nan nan nan 0 100 #p10 p11 p12 p13 n1 wp1 for target C1=Ctp 1403 nan nan nan nan 0 100 #p20 p21 p22 p23 n2 wp2 for target C2=Ctc 1404 0.118 0.000 0.000 0.882 1256500 100 #p30 p31 p32 p33 n3 wp2 for target C3=Co 1405 # C0 C3 N #Modified Confusion Matrix	4400 man nan man #900 pos NO for target CO=Cp 4407 man nan nan #930 pos NO for target CO=Cp 4407 man nan nan #930 pos NO for target CO=Co 4408 man nan 1606500 #PNT 1-PNT num-of-all-data 4408 man nan 1606500 #PNT 1-PNT num-of-all-data 4410 tail/result-repeakerdetcct/iconiplecexpl.gal 11 0 2 0& 4410 tail/result-repeakerdetcct/iconiplecexpl.gal 11 0 2 0& 4411 man nan nan nan nan nan nan nan nan nan	nohup strail tail	
2370	23379 23379 23379 23381 23381 23383	23385 23386 23386 23383 23393 23393 23393 23393 23393 23393 23393 23393	2398 2398 2398 2409 2404 2404 2404 2404 2404	2406 2406 2407 2409 2410 2411 2412 2414 2416 2416 2416	2420 2421 2422 2422 2423 2424 2425 2426 2427 2427 2427 2428 2428 2427 2428 2428	2432 2433 2434 2434 2435 2436 2436

Page 37

2593

Page 39

```
cat /dev/null > ${fbr}_PPtrain.dat ##PPPProbabilistic Prediction
cat /dev/null > ${fbr}_PPtest.dat
cat {fbr}_dat |awk 'BBGIN[l=0;]{if(l++%2==0) print $0;}' >> ${fbr}_PPtrain.dat
cat ${fbr}_dat |awk 'BBGIN[l=0;]{if(l++%2==1) print $0;}' >> ${fbr}_PPtest.dat
#for sX_ in 0 1 2 3 4 5 6; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2704 cp $fig.dat $tmp/histtmp.dat;cat tmp/hist.dat |awk '{print $1}'> tmp/hist1.dat;paste $tmp/histtmp.da cp $fig.dat $tmp/histtmp.dat.paste $tmp/histtmp.dat.paste $tmp/histtmp.dat.paste $tmp/histtmp.dat.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.pasta.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2712 ##cat $fbg.dat|awk '{posum=$1.plsum=$2.p2sum=$3.psum=p0sum+p1sum+p2sum;printf("%e %e %e %e\n",$4, p0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #export sx_0='expr $sx_ \* $nd0 \* 2\
#sed -n -e "'expr ${sx_0} + 1', expr ${sx_0} + $nd0'p" ${fbr}.dat >> ${fbr}_PPtrain.dat
#sed -n -e "'expr ${sx_0} + $nd0 + 1', expr ${sx_0} + $nd0 \* 2'p" ${fbr}_DPtest.dat
#sed -n -e "'expr ${sx_0} + $nd0 + 1', expr ${sx_0} + $nd0 \* 2'p" ${fbr}_car >> ${fbr}_DPtest.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #export wp0=100 wp1=100 wp2=100 wp3=100; #weight of posterior distribution of probabilistic predicti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      prompted), o(othe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cp %tmp/hist.eps %fhe.eps
#gv %fhe.eps #aisp result
tp %fhg.dat %tmp/histtmm.dat
cat tmp/hist.dat |awk '{print $3}'> tmp/hist3.dat;paste %tmp/histtmp.dat tmp/hist3.dat > %fhg.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ç,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ### insert first column to be the value of pg, while 2,3,4 columns P(c_i|p_G) for c_i=Cp, Ct,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       [p0=$1*wp0.pl=$2*wp1.p2=$3*mp2.p3=$4*wp3.psum=p0+p1+p2+p3;
2709 if(psum==0)[p0=p1=p2=p3=1.psum=4;]
2710 printf("%e %e %e %e %e\n",$5, p0/psum,p1/psum,p2/psum,p3/psum);]' >> $fpdg.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ${fb0}.dat|awk '{print $1}''; #nd='wc psdsum.dat|awk '{print $1}''
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         export x0=0 ndiv=100 nmav=3 cmd="histmav1-onsei $x0 $ndiv $nmav ${fbr}_PPtrain.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (CpG=="tp" && n4==2)||
(CpG=="p" && n4==3)) {print $3,$0;}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        sum/psum,plsum/psum,p2sum/psum);}' >> $fpdg.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     if((CpG=="to" && n4==0)|
(CpG=="o" && n4==1)|
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ###############################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         } '>> ${fb0}.dat; #pg, t,
cmdl="cp ${fb0}.dat ${fbr}.dat"
echo $cmdl:$cmdl
#nd='wc ${fb0}.dat|awt|
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #nd0='expr snd / 7 / 2'
#echo "#nd=snd,nd0=snd0"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      fpdg=$d1/ProbDistSpeaker
```

```
2867 export gibbs=gibbs:11:0.2:0 #####
2868 export gibbs=gibbs:11:10.3:100 #
]-[e] ##beta=beta:0.5:0.3 ##### tune this,
2869 export DTCE=2;#DTCE=0;DTCE=4;
                                                                                                                                                       NT=nsum-N0-N3;
2809
                                                                                                                                  2767 for CpG in "p" "tp" "tp" "co" 'o"; do #CLASS of pG; p(prompted), tp(transient of prompted), o(other), to 2768 fout=pG$/CpG}; cp ${d1}/resultp_C${CpG} in p, to content p, tesultp_C${CpG} PPrest.dat ${fout}.output; #output file to be classified as C 2769 export nest='wc ${fout}.output [1] to content p, to 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2776 cat ${fout}.output >> ${foutall}.output;
2777 cat ${fout}.target >> ${foutall}.target; ###all
2777 cat ${ftgt}.target >> ${ftgtall}.target; ###all
2778 done #for CpG in "p" "tp" "to" "o" ; do #CLASS of pG; p(prompted), tp(transient of prompted), o(othe 2779 done #for Ctgt
2779 done #for Ctgt
el 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cmd="evalloss4pg p:$/fpdg. dt t:${ftgtall}.target o:${foutall}.output vth:0.5:0";echo -n "#${cmd}##
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  n wpi #Confusion Matrix for %s;DTCt=%s;SiCs=%s;tdR=%s\n",gibb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           awk 'BEGIN{1=0;wp0=ENVIRON["wp0"];wp1=ENVIRON["wp1"];wp2=ENVIRON["wp1"]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    awk 'BEGIN{Ctgt=ENVIRON["Ctgt"];ntest=ENVIRON["ntest"];for(i=0;i<ntest;i++) print Ctgt;}' > ${ftgt}.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cmd="evalloss4pg p:${fpdg}.dat t:${ftgt}.target o:${fout}.output vth:0.5:0";echo "#${cmd}##";
$cmd | awk '{print $2,$6;}' >> cfm.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 echo "#For Target Class $Ctgt, evall loss of p(rompted), t(ransient), o(ther) data. "
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      gibbs=ENVIRON["gibbs"]:DTCt=ENVIRON["DTCt"]:SiCs=ENVIRON["SiCs"]:tdR=ENVIRON["tdR"]:} {pll.1=$1.ntl]=$2.1++;}END{
printf("\n# C0 C1 C2 C3 n wpi #Confusion Matrix for %s:DTCr=%s:G-%s
                            #cmd="gv $fpdg-pGdist.eps"; echo "Exec $cmd."; $cmd& #show p(pG)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             foutall=pGall;cat /dev/null > ${foutall}.output ##all
ftgtall=Ctgtall;cat /dev/null > ${ftgtall}.target
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         for CpG in p,t or o
export ntest='wc ${fout}.output|awk '{print $1}''
export ftgt=C${ctgt};
   echo "Exec $cmd."; $cmd&
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                fpdg=$d1/ProbDistSpeaker #defined above
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          echo "#${gibbs};DTCt=$DTCt;SiCs=$SiCs";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 carget #mktarget $Ctgt $ntest > ${ftgt}.target
2772 #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cat /dev/null > cfm.dat
for Ctgt in 0 1 2 3; do #target class
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #################################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ####################################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2791 P00=(1-p[0])*n|
2792 P03=(1-p[12])*n|
2793 P0T=1-P00-P03;
   cmd="gv $fpdg.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      export Ctgt;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cat cfm.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2756
2757
2757
2759
2760
2761
2762
2763
2763
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2785
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2771
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2765
```

Dec 05 2019 13:52:41 readmecan2mspeech.txt

use BI #### use only gibb:1:1:1(GBBI) gibbs:1:1:0(BI), see 20160125 [a

#transient for

```
############
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                r), to(transient
3001 #######
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              sleep 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   spectively
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3 4 5
2985
2986
2987
2988
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        on
2991
2992
2993
2994
2995
2995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2892 else
2893 cmd="$prog fs:${d2}\oob4s_-IN40mbas2_300_1.6_1sX${sX}.y nSDL:7:10:10 pmin:0.01 ytm:1:0.9:1000 $gibbs
$beta ver:-2 pApAd:${pAs}:${pAd} LAR:0:0:-1 test:7:2000:${iCs}:0:20:100:20:2 sX:$sX sP:$sP void:0":$cmd > /
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     echo -e "\n" >> resultsum.dat ############## <== mean,UC of pG
act %tmp/pagad.dat >> pagaum.dat ########### <== t.rest#.pag0.pagd,aX pg for all tests for speaker
cat %tmp/pagad.dat >> pagaum.dat ############ <== t.rest#.pag0.fsX,1,1,3)=="###", d=1,}else print $0:]'> tump/t
cat tmp/restsd.dat |awk 'BBGIN(d=0)}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0))}{f(f(a=0)
                                                     wp1=100 wp2=100 wp3=100; #weight of posterior distribution of probabilistic predictio
2870 export SiCs="2"; ###for 3:Unregistered, 2:Incorrect SiCs="0 3 2"; #depnds on speakerdigit_v6.c test
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #done #LoopLevel2:for sX in 0 1 2 3 4 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cat $tmp/testsd_stat.dat >> resultsum.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  tmp/psd.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      echo "Exec $cmd";$cmd > /dev/null
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    done #for sX excluded speaker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #wc psdsum.dat tmp/psd.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #echo "###wc psdsum.dat
                                  2871 export wp0=100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         done # for iCs
                                                                                                                                                                                                                                         3,TCp3:...:TCo
2875 export
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         estsdsum.dat
                            :Sics
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2894
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2897
2898
2899
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2903
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2900
```

```
цe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            export wp0=100 wp1=100 wp2=100 wp3=100; #weight of posterior distribution of probabilistic predicti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       o(othe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           op $fipg.dat $tump/histtump.dat
cat tump/hist.dat |awk '{print $3}'> tump/hist3.dat/paste $tump/histtump.dat tump/hist3.dat > $fibg.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Co,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       prompted),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ### insert first column to be the value of pg, while 2,3,4 columns P(c_{-1}|p_{-}G) for c_{-1}=Cp, Ct,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                following takes a lot of time to display via gnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       export x0=0 ndiv=100 nmav=3 cmd="histmav1-onsei $x0 $ndiv $nmav ${fbr}_PPtrain.dat"echo $cmd; $cmd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ### Likelihood P(c_i|p_0) for Probabilistic Prediction ### Histgram by moving average of each class?
         cmd="gv tmp/tpg1.eps"; echo "Exec $cmd."; $cmd&cmd="gv tmp/tpg2.eps"; echo "Exec $cmd."; $cmd&
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ######################################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               fhe=${d1}/hist-C${CpG}.eps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #gv $fhe& #disp result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3005 fpdg=$dl/ProbDistSpeaker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cp $tmp/hist.eps $fhe
```

```
CoCp=TCol,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3138
3139
3140
3141
3142
3143
                                      3074
3075
3075
3077
3078
3079
3080
                                                                                                                                                                                                                                                                                                                                                                                                    3083
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       331112
331112
331115
331115
331116
331116
331116
331120
33122
33122
33122
33122
33123
33123
33123
33133
33133
33133
33134
                                                                                                                                                                                                                                                                                                                                                                         3082
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sook set term postacriptiset output "Sinds descriptions" using 5:(NSI+NS2+NS3+NS4) Ic rgp "

2020 set term postacriptiset output "Sinds descriptions" (Sinds descriptions)

2030 cmd="powdefals.ps"; echo "Exec Gond": $ Gonds description (California)

2031 set descriptions (California)

2032 set descriptions (California)

2033 set descriptions (California)

2034 set descriptions (California)

2035 set descriptions (California)

2036 set descriptions (California)

2037 set descriptions (California)

2038 set descriptions (California)

2039 set of togal-locations (California)

2030 set of togal-locations (California)

2031 set of togal-locations (California)

2032 set of togal-locations (California)

2033 set of togal-locations (California)

2034 set of togal-locations (California)

2035 set of togal-locations (California)

2036 set of togal-locations (California)

2037 set of togal-locations (California)

2038 set of togal-locations (California)

2039 set of togal-locations (California)

2030 set of togal-locations (California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #LoopL 3069 for Cpd in 'p" "tp" "to" "o" ; do #CLASS of p(rompted), t(ransient), o(ther) data. "

(transient of other) #LoopLavell: for Cpd 3070 fout=pds{Cpd}; ps {d1}/resultp_C${Cpd} prest.dat ${fout}.output; #output file to be classified as C ${Cpd} for Cpd in p.t. or o 3071 export nesse: we s{fout}.output | awk '{print $1}''

3072 export testers*(Stott).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               30.20 gnuplot <<pre>cccop
30.21 gnuplot <<pre>cccop
30.21 gnuplot 
30.21 set term termine the termine to the termine to the termine termine to the termine termine to the termine termine to the termine ter
                                                                                                 op $fhg.dat $tmp/histtmp.dat;cat tmp/hist.dat |awk '{print $1}'> tmp/hist1.dat;paste $tmp/histtmp.da
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ######################################
                                                                     cat /dev/null > $fpdg.dat
#cat $fhg.dat|awk 'BEGIN{v
```

Dec 05 2019 13:52:41 **readmecan2mspeech.txt**

```
,1-p[13],n[1],wpl);
3090 pvintf("%,3f %,3f %,3f %,3f %,6d %g #p20 p21 p22 p23 n2 wp2 for target C2=Cto\n",1-p[2],1-p[6],1-p[10],1-p[14],n[2],wp2);
1,1-p[14],n[2],wp2, %,3f %,3f %,3f %,3f %,3f %,6d %g #p30 p31 p32 p33 n3 wp2 for target C3=Co\n", 1-p[3],1-p[7],1-p[11],1-p[11],n[3],wp3);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               export DTCoCp=30,20:30,15:30,10:30,5:30,20:30,15:30,10:30,5:20 ##DTCoCp=30,20:20,15:20,10:20,5:20#DT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      printf("%"3 % 3f % 3f % 3f % 3f % 6d %g #p10 p11 p12 p13 n1 wp1 for target C1=Ctp\n",1-p[1],1-p[9]
                                                                                                                                                               prompted), o(othe
                                                                                                                                                                                                                #LoopLev
                                                                                                                                                                                                                                                                                                      cat cfm.dat | awk 'BEGIN{1=0;wp0=ENVIRON["wp0"];wp1=ENVIRON["wp1"];wp2=ENVIRON["wp2"];wp3=ENVIRON["w
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cmd="evalloss4pG p:\fpdg\.dat t:\ftgt\.target o:\fout\.output vth:0.5:0"/echo "#$\cmd\##"/
$cmd | awk '\fpint \22,\fo\?\ >> ofm.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #Confusion Matrix for gibbs:1:1:0.3;DTCt=2;SiCs=2;tdR=4
                                                                   3078 cat ${fout}.output >> ${foutall}.output;
3079 cat ${ftgt}.target >> ${ftgtall}.target; ###all
3080 done #for CpG in 'ps' "tp'" "to'"; do #CLASS of pG; p(prompted), tp(transient of 's'), to(transient of other) #LoopLevell: for CpG
3081 done #for Ctat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              printf("# C0 C3 N #Modified Confusion Matrix\n"); printf("# S3 f, 3.3 f $9 ##00 p03 N0 for target C0=Cp/n",p00,p03,N0); printf("%.3f 8.3 f 9 ##20 p03 N0 for target C3=Co\n",p30,p33,N3); printf("%.3f 8.3 f 9 ##20 p03 N03 for target C3=Co\n",p30,p33,N3); printf("%.3f 8.3 f 6.0f #PNT 1-PNT num-of-all-data\n",NT/nsum,1-NT/nsum,nsum);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.228 0.772 1246000 #PNT 1-PNT num-of-all-data #saved in ../result-speakerdetect/iconipl6figla/
                                                                                                                                                                                                                                                                              echo "#${gibbs};DTCt=$DTCt;SiCs=$SiCs";
#mktarget $Ctgt $ntest > ${ftgt}.target
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      POO=(1-p[0])*n[0]+(1-p[1])*n[1];
PO3=(1-p[12])*n[0]+(1-p[13])*n[1];
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               P30=(1-p[2])*n[2]+(1-p[3])*n[3];
P33=(1-p[14])*n[2]+(1-p[15])*n[3];
N3=P30+P3;P30/=N3;P33/=N3;
P3T=1-P30-P3;;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CoCp=TCol, TCpl:TCo2, TCp2:TCo3, TCp3:...:TCo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NO=P00+P03; P00/=N0; P03/=N0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ]+n[1]+n[2]+n[3];
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       POT=1-P00-P03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NT=nsum-N0-N3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                           ,1-p[12],n[0],wp0);
3089 printf("%.3f
```

readmecan2mspeech.txt

#best w

3224 0.988 0.012 139052 #p00 p03 NO for target C0=Cp 3225 0.315 0.685 227857 #330 p33 N3 for target C3=Co 3226 0.200 0.800 458500 #PNT 1-PNT num-of-all-data 3227 3228 3229 C C1 C2 C3 n wpi #Confusion Matrix for gibbs:1:1:0.3/DTCt=0/SiCs=2/tdR=4 ###b			3240 # C0 C1 C2 C3 n wpi #Confusion Matrix for glbbs:1:1:0.3;DTCt=3;S1Cs=2;tdR=4 3241 0.778 0.179 0.043 0.000 126000 1000 #p00 p01 p02 p03 n0 wpb for target C0=Cp 3242 0.639 0.299 0.059 0.004 31500 100 #p10 p12 p12 p13 n1 wpl for target C1=Ctp 3243 0.057 0.014 0.589 0.370 38500 100 #p20 p21 p22 p23 n2 wp2 for target C1=Ctc 3244 0.018 0.016 0.098 0.870 56260 100 #p20 p21 p22 p23 n2 wp2 for target C2=Ctc		# C0 C1 0.747 0.207 0.274 0.608 0.021 0.074	3254 0.005 0.025 0.100 0.869 290500 100 #p30 p31 p32 p33 n3 wp2 for target C3=C0 3255 # C0	3259 3259 3260 3261 3260 3261 3261 3262 3261 3262 3262 3263 3262 3263 3263	# C0 C3 0.992 0.008 0.029 0.971 0.187 0.813	# C0 C1 0.797 0.191 0.311 0.514 0.000 0.004 0.000 0.004 # C0 C3 0.001 0.998 0.001 0.998	# C0 C1 0.891 0.077 0 0.122 0.433 0 0.061 0.240 0 0.001 0.013 0 # C0 C3	0.987 0.013 0.003 0.997 0.111 0.889	3291 C. C. C. C. C. m. wpi #Confusion Matrix for gibbs:1:1:0.3:pTCt=3:SiCs=2;tdR=5 3292 0.195 0.742 0.055 0.007 126000 100 #p00 p01 p02 p03 n0 wp0 for target CO=Cp 3293 0.093 0.888 0.015 0.004 31500 100 #p10 p11 p12 p13 n1 wp1 for target Cl=Cp 3294 0.037 0.001 0.379 0.582 38500 100 #p10 p11 p22 p23 n2 wp2 for target Cl=Ctp 3295 0.055 0.027 0.078 0.839 259000 100 #p30 p31 p32 p33 n3 wp2 for target C3=Cc 3296 # CO C3 N #Modified Confusion Matrix	0.965 0.035 0.061 0.939 0.376 0.624	3301 3302 # CO C1 C2 C3 n wp1 #Confusion Matrix for gibbs:1:1:0.3;DTCt=0;SiCs=2;tdR=3 3303 0.960 0.000 0.000 0.040 157500 100 #p00 p01 p02 p03 n0 wp0 for target CO=Cp 3304 nan nan nan 0 100 #p10 p11 p12 p13 n1 wn1 for target C1=Ctp
00 0000	# CO C3 N #Modified Confusion Marrix 0.995 0.005 244860 #p00 p03 N0 for target CO=Cp 0.019 0.981 766577 #p30 p33 N3 for target C3=Co 0.188 0.812 1246000 #PNT 1-PNT num-of-all-data	C1 C2 C3 n wpi #Confusion Matrix for gibbs:1:0.25 0.219 0.049 0.003 244000 100 #p00 p01 p02 p03 n0 wp0 for target 0.089 0.094 0.005 56000 100 #p10 p11 p11 p12 p13 n1 wp1 for target 0.042 0.778 0.150 59500 100 #p30 p21 p22 p33 n2 wp2 for target	.002 0.020 0.108 0.871 836500 100 #b30 p31 p32 p33 n3 wp2 for C0 C3 N #woodfied Confusion matrix .95 0.05 232904 #p00 p03 N0 for target C0=Cp .050 0.995 741034 #p30 p33 N3 for target C3=Cp .178 1246000 #bwn 1-bwn nim-cf=all-data	C1 0.148 0.714 0.207	0.002 0.016 0.999 0.809	0000	# CO C3 N #Modified Confusion Matrix 0.088 0.017 222156 #p00 p03 NO for target C0=Cp 0.026 0.974 795784 #p30 p33 N3 for target C3=Co 0.135 0.865 1246000 #PNT 1-PNT num-of-all-data	export DTCoCp=30,20:20,15:20,10:20 ##DTCoCp=30,20:20,15:20,10:20,5:20#DTCoCp=TCo1,TCp1:TCo2,TCp2:TCo ::TCo # CO Cl C2 C3 n wpi #Confusion Matrix for gibbs:1:0.2:0;DTCt=2;SiCs=2;tdR=4 ***best B	0.0848 0.126 0.023 0.004 136500 100 #p00 p01 p02 p03 n0 wp0 for target CO=Cp 0.077 0.637 0.641 0.045 21000 100 #p10 p11 p12 p13 n1 wp1 for target Cl=Ctp 0.014 0.208 0.583 0.195 24500 100 #p20 p21 p22 p23 n2 wp2 for target C2=Cto 0.000 0.002 0.068 0.930 276500 100 #p30 p31 p32 p33 n3 wp2 for target C2=Cto 0.000 0.002 0.068 0.930 276500 100 #p30 p31 p32 p33 n3 wp2 for target C3=Co 0.001 0.999 262266 #p30 p33 N3 for target C3=Co 0.001 0.999 262266 #p30 p33 N3 for target C3=Co 0.001 0.990 0.031 488500 #pNT 1_PNT num-of=all-data # C0 C1 C2 C3 HNT num-of=all-data # C0 C1 C2 C3 HNT num-of=all-data 0.915 0.021 0.058 0.006 136500 100 #p00 p01 p02 p03 n0 for target C0=Cp	0.568 0.242 0.103 0.087 21000 100 #pl0 pl1 pl2 pl3 nl wpl for target Cl=Ctp 0.503 0.132 0.219 0.146 24500 100 #p20 p21 p22 p23 n2 wp2 for target C2=Cto 0.503 0.149 0.124 0.488 276500 100 #p30 p31 p32 p33 n3 wp2 for target C3=Co 0.23 0.149 0.124 24500 p03 N0 #rodified Confusion Matrix 0.281 0.191 139472 #p00 p03 N0 for target C0=Cp 0.361 0.639 216916 #p30 p33 N3 for target C3=Co 0.361 0.639 216916 #p30 p33 N3 for target C3=Co 0.223 0.777 458500 #PNT l-PNT num-of-all-data	8 8 8 8 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9	.761 .491 .018 .008 .008	0.989 0.783 C1 0.000	0.771 0.000 0.196 0.033 21000 100 #pl0 pl1 pl2 pl3 nl wpl for target Cl=Ctp 0.388 0.000 0.401 0.211 24500 100 #p20 pl1 pl2 p23 n2 wp2 for target C2=Cto 0.286 0.000 0.229 0.546 276500 100 #p30 p31 p32 p33 n3 wp2 for target C3=Co 1

3.TCp3:...:TCo 3189 # C0

#p10 p11 p12 p13 n1 wp1

Page 49

```
obtained psdsum.dat
                                                                                                                                                                                                                  gnuplot <<EOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   gnuplot <<EOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3 4 5
3446
3447
3448
3449
                                                                                                         33375
33374
33374
33379
3388
3388
3388
3388
3388
3388
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3387
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #LoopLevell:for ics for set 2rd option of ftes: 7:.... #LoopLevell:for ics for set 2rd option of ftes: 7:.... #LoopLevell:for ics for set 2rd option of ftes: 7:.... #LoopLevel2:for ax in 0 1 2 3 4 5 6; 3354 ftes #LoopLevel2:for ax in 0 1 2 3 4 5 6; 3354 if ["%d2sep" = ":" ] ; then #Ytm:1:0.9:1000 or ytm:1:0.9:2000 #RoopLevel2:for ax in 0 1 2 3 4 5 6; 3355 cmd="%prog fs:${d2}/oob4s:-IN40wbas2:300:1.6:18x${sX}.y nSDL:7:10:10 pmin:0.01 ytm:1:0.9:1000 $gibbs ser:-2 papadis[pas] *Rooples:-IN40wbas2:300:1.6:18x${sX}.y nSDL:7:10:10 pmin:0.01 ytm:1:0.9:1000 $gibbs ser:-2 papadis[pas]:${pas}.scentles:-IN40wbas2:300:1.6:18x${sX}.y nSDL:7:10:10 pmin:0.01 ytm:1:0.9:1000 $gibbs ser:-2 papadis[pas]:${pas}.scentles:-2 papadis[pas]:${pas}.scent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           dis../result-speaker_search; if [ ! -e $dl ]; then mkdir $dl;fi ##d2=/media/sf_DRIVE/cdata/15iconip/20150917takeguchi/12voicedata_sakashita/12voicedata/allpole;d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3342 export gibbs=gibbs:11:0.3 #### use only gibb:11:1(GEBI) gibbs:11:10(BI), see 20160125 [a]-[e] ##peca-beta:0.5:0,3 ##### tune this,

343 export DTCt=3##DTCt=0:DTCt=4;

3343 export SICs="2"; ####for 3:Unregistered, 2:Incorrect SiCs="0"; #depnds on speakerdigit_v6.c test
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3360 cmd="$prog fs:${d2}\oob4s_-1N40mbas2_300_1.6_18X${sX}.y nSDL:7:10:10 pmin:0.01 ytm:1:0.9:1000 $gibbs $beta ver:-2 pApAd:${pAs}:${pAs}:${pAs}:40:0:-1 test:7:2000:${iCs}:0:20:100:20:2 sX:$sX sP:$sP void:0";$cmd > /
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                cat $tmp/testsd_stat.dat >> resultsum.dat
echo -e "\n" >> resultsum.dat ########## <== mean,UC of pG
cat $tmp/psd.dat >> psdsum.dat ########### <== pG for all tests for speaker
cat $tmp/psd.dat >> psdsum.dat ############ <== pG for all tests for speaker
cat tpm/restsd.dat |awk 'BBGIN{da0}}{fif(a=0){fif(a=0bstr($1,1,3)=="###") d=1;}else print $0:}'> tmp/t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3345 export wp0=100 wp1=100 wp2=100 wp3=100; #weight of posterior distribution of probabilistic predictio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #done #LoopLevel2:for sX in 0 1 2 3 4 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #done #LoopLevell:for iCs $SiCs;
                                                                                                                                                                                                                                       nan nan nan nan 0 100 #p20 p21 p22 p23 n2 wp2 for target C2=Cto 0.026 0.00 0.975 304500 100 #p30 p31 p32 p33 n3 wp2 for target C3=Co # C0 C3 N #Modified Confinaion Matrix
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ####d2=/media/gf_DRIVB/cdata/l5iconip/2015.105sakaahita/id2esp="."
###d2=/sotu/2015iconip/loonip_asigen/2012/12voicedata/allpole/d2sep=":"
###d2=-/.../.012/12voicedata/ioonipidata/ad2sep=":"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    fhg=$tmp/histSpeaker;cat /dev/null > $fhg.dat #Initialize
for iCs in $SiCs; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ######## copy and paste from here for (1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ###d2=../../2012/12voicedata/allpole;d2sep=":"
d2=~/sotu/2012/12voicedata/allpole;d2sep=":"
                                                                                                         nan #p00 p03 N0 for target C0=Cp
nan #p30 p33 N3 for target C3=Co
462000 #PNT 1-PNT num-of-all-data
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #echo "###wc psdsum.dat tmp/psd.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   echo "Exec $cmd";$cmd > /dev/null
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cat /dev/null > testsdsum.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cat /dev/null > resultsum.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cat /dev/null > psdsum.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #wc psdsum.dat tmp/psd.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            make ; make data-clean
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   prog=speakerdigit_v6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3370 done # for iCs
3371
3372
                                                                                                     nan nan
nan nan
nan nan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20160225
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              estsdsum.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   :7:..:$iCs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  dev/null
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2sep="_
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3346
                                    33300
33300
33300
33300
33310
33311
33311
33311
33311
33311
33311
33311
33311
33311
33311
33311
33311
33311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3361
```

readmecan2mspeech.txt

```
3387 gantle example example to the set plabel 'pg';
3388 set Alabal 'pg';
3398 set Alabal 'pg';
3398 set Alabal 'pg';
3399 set time potentive to upput 'ump'(1901.epg';
3392 set term potentive to upput 'ump'(1901.epg';
3393 set term potentive to upput 'ump'(1902.epg';
3303 set term potentive to upput 'ump'(1902.epg';
3304 set term potentive to upput 'ump'(1902.epg';
3305 set term potentive to upput 'ump'(1902.epg';
3306 set term potentive to upput 'ump'(1902.epg';
3307 set term 'ump'(1902.epg';
3308 set term 'ump'(1902.epg';
3309 set term 'ump'(1902.epg';
3300 set term 'ump'(1902.epg';
3300 set term 'ump'(1902.epg';
3300 s
                                                                                                                                                                                                                                                                                                                                                         3383 ### the following takes a lot of time to display via gnuplot
3384 cmd="uy SfntpG-eps"; echo "Exec Scmd."; Scmds
3385 ##(1) 各子大化芯付名—pgd抽線の表示(2つの角度からの表示);10テスト毎に間引き
3385 ##(1) 各子大化芯付名—pg由機の表示(2つ内度からの表示);10テスト毎に間引き
3386 cat tmp/testsdsum.dat | awk "BEGIN(1=0;10=0;n=1){1f(substr($1,1,1)=="n"){n+*;printf("\n");}} else {1}
++;match($2,"t.*");t=substr($2,RSTART+1,RSTART+3); if(n$10=0) print n,t,$3}}, 、 tmp/tpG.dat
consists of lines involving (1)t(step),(2)n(number of data),(3)test->pGC[n][t
                                                                                                                                                                                                                                                     "blue"
                                                                                                                                                                                                                                                 "" using 1:2 w l lc rgb
                                                                                                                                                                                                                set term postscript.set output "$fntpG.eps";
plot "resultsum.dat" using 1:2:(\$2-\$4):(\$2+\$5) w errorbars,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ###show t vs. pG of resultsum.dat
fntpG="tmp/t-pGmean"
                                         (pgs),(4)test->pgcd[n][t](pgd),(5)sX
```

2

for CpG in "p" "tp" "to" "o" ; do #CLASS of pG; p(prompted), tp(transient of prompted), o(other), to 3539 cat \${fout}.output >> \${foutall}.output;
3540 cat \${ftgt}.target >> \${ftgtall}.target: ###all
3541 cat \${ftgt}.target >> \${ftgtall}.target: ###all
3541 cane #for CpG in "p" "tp" "to" i do #CLASS of pG; p(prompted), tp(transient of prompted), o(othe
x), to(transient of other) #LoopLevell: for CpG
3542 done #for Ctgt ,1-p[12],n[0],wp0);
3550 pxintf("%.3f %.3f %.3f %.3f %.6d %g #pl0 pl1 pl2 pl3 nl wpl for target Cl=Ctp\n",1-p[1],1-p[5],1-p[9]
,1-p[13],n[1],wpl);
3551 pxintf("%.3f %.3f %.3f %.3f %.6d %g #p20 p21 p22 p23 n2 wp2 for target C2=Cto\n",1-p[2],1-p[6],1-p[10 #LoopL cat cfm.dat | awk 'BEGIN{1=0;wp0=ENVIRON["wp0"];wp1=ENVIRON["wp1"];wp2=ENVIRON["wp2"];wp3=ENVIRON["w printf("%.3f %.3f %.3f %.3f %.3f %6d %9 #p00 p01 p02 p03 n0 wp0 for target C0=Cp\n", 1-p[0],1-p[8] n wpi #Confusion Matrix for %s;DTCt=%s;SiCs=%s\n",gibbs,DTCt, cmd="evalloss4pg p:\${fpdg}.dat t:\${ftgt}.target o:\${fout}.output vth:0.5:0";echo "#\${cmd}##"; \$cmd | awk '{print \$2,\$6;}' >> cfm.dat echo "#For Target Class \$Ctgt, evall loss of p(rompted), t(ransient), o(ther) data. gibbs=ENVIRON["gibbs"];DTCt=ENVIRON["DTCt"];SiCs=ENVIRON["SiCs"];} ###a11 foutall=pGall;cat /dev/null > \${foutall}.output ###all
ftgtall=Ctgtall!cat /dev/null > \${ftgtall}.target fpdg=\$dl/ProbDistSpeaker #defined above echo "#\${gibbs};DTCt=\$DTCt;SiCs=\$SiCs"; #mktarget \$Ctgt \$ntest > \${ftgt}.target cat /dev/null > cfm.dat for Ctgt in 0 1 2 3; do #target class C3 #################################### ################################# C2, 3547 {p[1]=\$1:n[1]=\$2:1+++;}END{ 35348 printf("\n# CO C1 C SiG3); printf("%.3f %.3f %.3f %.3f %.3f

readmecan2mspeech.txt

Dec 05 2019 13:52:41

0.916 0.084 139282 #p00 p03 NO for target CO=Cp 0.038 0.962 287102 #p30 p33 N3 for target C3=Co 0.091 0.909 469000 #PNT 1-PNT num-of-all-data	3673 # C0 C1 C2 C3 n wpi #Confusion Marrix for gibbs:13.2.10.33fDTC=5;SiCs=2 3674 0.960 0.015 0.024 0.001 105000 100 #p00 p01 p02 p03 n0 wp0 for target C10-Cp 3675 0.452 0.290 0.037 0.220 22500 100 #p20 p11 p12 p13 n1 wp1 for target C10-Cp 3676 0.452 0.200 0.037 0.220 22500 100 #p20 p21 p22 p13 n1 wp1 for target C10-Cp 3677 0.1001 0.004 0.008 0.987 245000 100 #p20 p21 p22 p23 n2 wp2 for target C3-Cc 3678 # C0 C3 N #Modified Confusion Marrix 3679 0.914 0.086 136485 #p00 p03 N0 for target C3-Cc 3680 0.039 0.961 284820 #p30 p33 N3 for target C3-Cc 3681 0.102 0.898 469000 #pNT 1-PNT num-of-all-data	368 4 # CO C1 C2 C3 n wpi #Confusion Matrix for gibbs:1:2.0:0.3/DTCt=5/SiCs=2 368 0.959 0.012 0.028 0.001 105000 100 #p00 p01 p02 p03 n0 wp0 for target CO=Cp 368 0.415 0.224 0.074 0.221 52500 100 #p10 p11 p12 p13 nl wp1 for target C1=Ctp 368 0.415 0.224 0.074 0.221 52500 100 #p10 p11 p12 p13 nl wp1 for target C1=Ctp 368 0.0410 0.224 0.074 0.221 52500 100 #p10 p11 p12 p13 nl wp1 for target C1=Ctp 368 0.0410 0.0294 0.008 0.988 245000 100 #p30 p31 p32 p33 n3 wp2 for target C2=Cto 368 0.000 0.004 0.008 0.988 245000 100 #p30 p31 p32 p33 n3 wp2 for target C3=Co 369 0.913 0.952 282226 #p30 p33 N3 for target C3=Co 369 0.138 0.962 282226 #p30 p33 N3 for target C3=Co	3694 # CO C1 C2 C3 n wpi #Confusion Matrix for gibbs:1:1.8:0.3;DFCt=5;SiCs=2 3695 0.958 0.017 0.024 0.001 105000 100 #p00 p01 p02 p03 n0 wp0 for target C0=Cp 3696 0.994 0.277 0.104 0.224 8.25000 100 #p00 p11 p12 p13 n1 wp1 for target C1=Ctp 3697 0.162 0.139 0.303 0.396 66500 100 #p30 p21 p22 p23 n2 wp2 for target C1=Ctp 3698 0.000 0.005 0.008 0.987 245000 100 #p30 p31 p32 p33 n3 wp2 for target C3=Co 3699 0.000 0.005 0.008 0.987 245000 100 #p30 p31 p32 p33 n3 wp2 for target C3=Co 3700 0.911 0.089 133440 #p00 p03 N0 for target C3=Co 3701 0.039 0.961 278922 #p30 p33 N3 for target C3=Co 3702 0.121 0.879 469000 #PNT 1-PNT num-of-all-data	3704 # CO C1 C2 C3 n wpi #Confusion Matrix for gibbs:1:1.6:0.3;DTCt=5;SiCs=2 3705 0.256 0.015 0.029 0.020 100 #p00 p01 p02 p03 n0 wpo for target C0=Cp 3706 0.356 0.036 0.089 0.225 52500 100 #p10 p11 p12 p13 n1 wpl for target C1=Ctp 3707 0.162 0.173 0.335 0.330 66500 100 #p20 p21 p22 p23 n2 wp2 for target C2=Cto 3708 0.000 0.005 0.009 0.986 245000 100 #p20 p21 p22 p23 n2 wp2 for target C2=Cto 3709 0.000 0.005 0.009 0.986 245000 100 #p20 p21 p22 p23 n3 wp2 for target C3=Co 3709 0.008 0.092 128992 #p00 p03 N0 for target C3=Co 3711 0.098 0.092 128992 #p00 p03 N0 for target C3=Co 3712 0.140 0.860 469000 #pNT 1-PNT num-of-all-data	# C0 C1 0.951 0.022 0.230 0.382 0.162 0.218 0.000 0.008 # C0 C3 0.904 0.096 0.040 0.960	3724 # CO C1 C2 C3 n wpi #Confusion Matrix for gibbs:1:1.2:0.3;DTCt=5;SiCs=2 3725 0.941 0.022 0.036 0.001 105000 100 #p00 pp02 pp0 for target C0=Cp 3726 0.176 0.447 0.149 0.228 52500 100 #p00 pp1 p02 pp0 m 0 wpo for target C0=Cp 3727 0.162 0.264 0.335 0.239 66500 100 #p10 p11 p12 p13 nl wpl for target C1=Ctp 3728 0.000 0.022 0.099 0.288 245000 100 #p20 p13 p32 p33 n3 wp2 for target C3=Co 3729 # C0 C3 N#POGIFied Confusion Matrix 3730 0.899 0.101 120120 #p00 p03 NO for target C0=Cp 3731 0.041 0.599 283826 #p30 p33 N3 for target C3=Co 3732 0.181 0.819 469000 #PNT 1-PNT num-of-all-data	3734 # CO C1 C2 C3 n wpi #Confusion Matrix for gibbs:1:1:0.3;pTCt=5;SiCs=2 3736 0.911 0.019 0.070 0.001 105000 100 #p00 p01 p02 p03 n0 wp0 for target C1=Cp 3737 0.050 0.498 0.222 0.230 5250 0.000 #p10 p11 p12 p13 n1 wp1 for target C1=Ctp 3738 0.170 0.207 0.411 0.213 65500 100 #p10 p11 p12 p13 n1 wp1 for target C1=Ctp 3739 0.000 0.065 0.099 0.222 0.225 434000 100 #p30 p13 p32 p33 n3 wp2 for target C2=Cto 3740 # C0 C3 N#Modified Confusion Matrix 374 0.045 0.955 252340 #p00 p33 NG for target C3=Co 3743 0.286 0.774 46900 #p30 p33 N3 for target C3=Co 3743 0.286 0.774 46900 #pNT ll-PPNT num-c1=al-data	3744 # C0 C1 C2 C3 n wpi #Confusion Matrix for gibbs:1:0.8:0.3;DTCt=5;SiCs=2 3745 0.854 0.125 0.002 105000 100 #p00 p01 p02 p03 n0 wp0 for target C1=Cp 3747 0.023 0.548 0.191 0.237 52500 100 #p10 p11 p12 p13 n1 wp1 for target C1=Ctp 3748 0.298 0.090 0.397 0.315 65500 100 #p20 p11 p12 p13 n1 wp1 for target C1=Ctp 3748 0.298 0.000 0.397 0.315 65500 100 #p30 p13 p22 p33 n3 wp2 for target C2=Cto 3749 0.000 0.115 0.012 0.872 245000 100 #p30 p31 p32 p33 n3 wp2 for target C3=Co 3750 # C0 C3 N #Wodified Confusion Matrix
# C0 C3 N #Modified Confusion Matrix 0.918 0.082 141278 #p00 p03 N0 for target C0=Cp 0.039 0.961 292075 #p30 p33 N3 for target C3=Co 0.076 0.924 469000 #pWI 1-PWI num-of-all-data	# C0 C1 C2 C3 n wpi #Confusion Matrix for gibbs:1:3.0:0.37DTCt=7/SiCs=2 0.961 0.014 0.021 0.004 84000 100 #p00 p01 p02 p03 n0 wp0 for target C0=Cp 0.666 0.133 0.046 0.155 73560 100 #p10 p11 p12 p13 n1 wp1 for target C1=Ctp 0.115 0.048 0.124 0.713 94500 100 #p20 p021 p22 p23 n2 wp2 for target C2=Cto 0.002 0.003 0.012 0.983 217000 100 #p30 p31 p2 p33 n3 wp2 for target C3=Co 0.002 0.003 0.012 0.983 217000 100 #p30 p31 p2 p3 n3 wp2 for target C3=Co 0.017 0.083 141404 #p00 p03 N0 for target C0=Cp 0.039 0.961 291991 #p30 p33 N3 for target C3=Co 0.039 0.961 291991 #p30 p33 N3 for target C3=Co 0.076 0.924 469000 #PNT 1-PNT num-of-all-data	# C0 C1 C2 C3 n wpi #Confusion Matrix for gibbs:1:4.0:0.37pTCt=5/SiCs=2 0.962 0.003 0.029 0.006 10500 1000 #p00 p01 p02 p03 n0 wpo for target C0=Cp 0.629 0.130 0.025 0.215 52500 100 #p10 p11 p12 p13 n1 wpl for target C1=Ctp 0.629 0.130 0.026 0.215 52500 100 #p10 p11 p12 p13 n1 wpl for target C1=Ctp 0.03 0.03 0.03 0.168 0.667 66500 100 #p20 p21 p22 p23 n2 wp2 for target C2=Ctc 0.03 0.03 0.10 0.982 245000 100 #p30 p21 p22 p33 n3 wp2 for target C3=Cc 0.03 0.03 0.03 0.14596 #p00 p03 NG for target C0=Cp 0.03 0.961 29454 #p30 p33 N3 for target C3=Cc 0.039 0.961 29464 #p30 p33 N3 for target C3=Cc 0.050 0.943 469000 #pNT 1-pNT num-of-all-data	# C0 C1 C2 C3 n wpi #Confusion Matrix for gibbs:1:3.0:0.3;DTCt=5;SiCs=2 0.961 0.014 0.022 0.003 105000 100 #p00 p01 p02 p03 n0 wp0 for target C0=Cp 0.549 0.175 0.061 0.215 52500 100 #p10 p12 p12 n1 n upl for target C1=Ctp 0.162 0.065 0.173 0.600 66500 100 #p20 p11 p12 p13 n1 upl for target C2=Ctc 0.002 0.002 0.013 0.983 245000 100 #p20 p21 p22 p23 n2 wp2 for target C2=Cc # C0 C3 N #Macdified Confusion Matrix 2 0.003 0.003 0.003 0.003 N0 for target C1=Cp 0.918 0.082 141330 #p00 p03 N0 for target C1=Cp 0.918 0.082 14000 #p30 p33 N3 for target C1=Cp 0.039 0.961 291998 #p30 p33 N3 for target C1=Cp 0.039 0.961 291998 #p20 p33 N3 for target C1=Cp 0.039 0.961 291998 #p30 p33 N3 for target C1=Cp 0.030 0.961 291998 #p30 p33 N3 for target C1=Cp 0.030 0.961 291998 #p30 p30 N0 for target C1=Cp 0.030	# C0 C1 C2 C3 n wpi #Confusion Matrix for gibbs:1:5.0:0.3/PTCt=5/SiCs=2 0.964 0.002 0.022 0.013 105000 100 #p00 p01 p02 p03 n0 wpo for target C0=Cp 0.738 0.022 0.022 0.218 52500 100 #p10 p11 p12 p13 n1 wpl for target C1=Ctp 0.164 0.001 0.136 0.699 66500 100 #p10 p11 p12 p13 n1 wpl for target C1=Ctp 0.005 0.001 0.140 0.980 245000 100 #p20 p21 p22 p23 n2 wp2 for target C2=Cto 0.005 0.001 0.140 0.980 245000 100 #p30 p31 p32 p33 n3 wp2 for target C3=Co 0.005 0.001 0.980 24500 100 #p30 p31 p22 p23 n3 wp2 for target C3=Co 0.016 0.084 152775 #p00 p03 N0 for target C0=Cp 0.041 0.595 28714 #p30 p33 n3 for target C3=Co 0.037 0.963 469000 #pNT 1-PNT num-of-all-data		0400 000	# C0 C1 C2 C3 n wpi #Confusion Matrix for gibbs:11:2.6:0.37pTCt=5/SiCs=2 0.961 0.016 0.021 0.022 10500 100 #p00 p01 p02 p03 n0 wpo for target C0=Cp 0.561 0.016 0.021 0.022 10500 100 #p10 p11 p12 p13 n1 wpl for target C1=Cp 0.055 0.179 0.068 0.218 52500 100 #p10 p11 p12 p13 n1 wpl for target C1=Cp 0.01 0.004 0.009 0.986 424500 100 #p20 p21 p22 p23 n2 wp2 for target C2=Cc 0.01 0.004 0.009 0.986 424500 100 #p30 p21 p22 p33 n3 wp2 for target C3=Cc 0.01 0.004 0.009 0.986 424500 100 #p30 p21 p22 p33 n3 wp2 for target C3=Cc 0.01 0.008 147700 #p00 p03 N0 for target C1=Cp 0.084 0.912 0.88764 #p30 p33 N3 for target C3=Cc 0.084 0.916 469000 #pvn 1-pvn num-of-all-data	# C0 C1 C2 C3 n wpi #Confusion Matrix for gibbs:11:2.4:0.3;DTCt=5;SiCs=2 0.540 0.013 0.026 0.011 0105000 100 #p00 p01 p02 p03 n0 wpo for target C0=Cp 0.510 0.190 0.071 0.220 52500 100 #p00 p11 p12 p13 n1 wpl for target C1=Ctp 0.62 0.662 0.257 0.519 66500 100 #p00 p11 p12 p13 n1 wpl for target C1=Ctp 0.06 0.057 0.519 66500 100 #p00 p21 p22 p23 n2 wp2 for target C2=Ctc 0.001 0.004 0.009 0.986 0.986 0.986 0.980 0.

Page 56

readmecan2mspeech.txt
13:52:41
5 2019
Dec 05

target CO=Cp target C1=Ctp target C2=Cto 1 for target CO=Cp 1 for target C1=Ctp 2 for target C2=Cto 2 for target C3=Co target CO=Cp target C1=Ctp target C2=Cto target C3=Co target CO=Cp target CI=Ctp target C2=Cto target C3=Co for for for for for for WP0 WP1 WP2 WP2

target target target target

for for for

wpo f

n0 n2 n3

0.078 0.013 0.894 0.015 147000 100 #p00 p01 p02 p03 0.004 0.992 0.001 0.003 10500 100 #p01 p11 p12 p13 0.006 0.905 0.971 0.017 10500 100 #p01 p21 p22 p23 0.006 0.956 0.011 0.027 301000 100 #p30 p31 p32 p33 # CO C3 N#Modified Confusion Matrix 0.837 0.163 13744.5 #p00 p03 N0 for target C0=Cp 0.185 0.815 10195.5 #p30 p33 N3 for target C3=Co 0.949 0.051 469000 #pNT 1-PNT nsum

0.837 0.163 0.185 0.815 0.949 0.051

target CO=Cp target C1=Ctp target C2=Cto target C3=Co for for for for

r target CO=Cp r target C1=Ctp r target C2=Cto r target C3=Co

for for for

target CO=Cp target C1=Ctp target C2=Cto target C3=Co

#gibbs:1:1:0.17pTCt=1;SiCs=2 #NG

C2 C2 C3 n mypi #Confusion Matrix
0.090 0.080 0.220 147000 100 #p00 p01 p02 p03 n0 wpo for 1
0.004 0.989 0.000 0.006 143000 100 #p00 p11 p12 p13 n1 wpl for 1
0.004 0.989 0.000 0.006 10500 100 #p00 p12 p2 p13 n1 wpl for 1
0.011 0.095 0.095 0.012 10.051 301000 100 #p00 p12 p2 p23 n2 wp2 for 1
0.017 0.920 0.012 0.051 301000 100 #p00 p31 p32 p33 n3 wp2 for 1
0.017 0.920 0.012 0.051 301000 100 #p00 p31 p22 p33 n3 wp2 for 1
0.017 0.920 0.012 0.051 301000 100 #p00 p31 p22 p33 n3 wp2 for 1
0.017 0.920 0.012 0.051 30100 100 for target C0=Cp
0.253 0.747 20720 #p30 p33 N3 for target C3=Co
0.921 0.079 469000 #pNT 1-PNT nsum

target C1=Cp target C1=Ctp target C2=Cto for for for

target CO=Cp target C1=Ctp target C2=Cto target C3=Co for for for wp0 wp1 wp2 wp2 # CO C1 C2 C3 n wpi #Confusion Matrix 0.800 0.046 0.147 0.007 126600 100 #p00 p10 p20 p30 n0 v0.22 0.646 0.140 0.02 0.382 31500 100 #p10 p11 p12 p13 n1 v0.312 0.014 0.494 0.180 38500 100 #p20 p21 p22 p23 n2 v0.08 0.08 0.08 0.180 0.09 0.09 0.09 0.13 1140 0.870 273000 100 #p20 p21 p32 p33 n3 v4 v0.03 113 114093 #p00 p30 N0 for target C0-Cp 0.897 0.13 114093 #p00 p33 N3 for target C3-Cp 0.205 0.3945 25663 #p30 p33 N3 for target C3-Cp 0.205 0.795 469000 #pp0T 1-pNT nsum

target CO=Cp target C1=Ctp target C2=Cto target C3=Co

#gibbs:1:1:0.2;DTCt=2;SiCs=2

 $\begin{array}{c} 3.3 & 3.5 &$

target target target target

target CO=Cp target C1=Ctp target C2=Cto target C3=Co

for for for

target target target target

#DTCt=2,glbbs:1:1:0.1 # C0 C2 0.949 0.011 0.031 0.099 0.002 0.499 0.017 0.542 0.436 0.040 0.366 0.158 0.001 0.005 0.040 0.990 # C0 C3 M #Modil 0.911 0.089 142191 #P0C 0.037 0.941 469000 #PM

#DTCt=5;gibbs:1:1:0

33997 34998 34998 34998 34999

target C target C target C

wp0 for twp2 for twp2

DTCt=2 is pretty good

target (target (target

for for for for

#DTCt=1;gibbs:1:1:0 ??bad?PDTCt=1 is very bad but DTCt=2 is F C C3 C3 n wpi #Confusion Matrix 0.078 0.013 0.894 0.015 147000 110 #EOnfusion Matrix 0.078 0.013 0.894 0.015 147000 110 #EOnfusion Matrix 0.078 0.013 0.894 0.015 147000 110 #EOnfusion D1 p2 p3 n wpo 1 0.008 0.095 0.971 0.17 10500 100 #EOU P21 p22 p32 n wp2 1 0.008 0.005 0.971 0.017 10500 100 #EOU P21 p22 p33 n wp2 1 H CO C3 N #Modified Confusion Matrix

```
an nan nan 0 #pl0 pl1 pl2 nl for target Cl 欄敷nl=0C良い 0.959 311500 #p20 p21 p22 n2 for target Cl (.041 0.000 0.959 311500 #p20 p21 p22 n2 for target C2 brct-1/sice=*2"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          n #Confusion Matrix
126000 #p00 p01 p02 n0 for target CO
70000 #p10 p11 p12 n1 for target C1
273000 #p20 p21 p22 n2 for target C2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.899 0.000 0.101 157500 # nan nan nan 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        n
147000 ‡
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  # C0 C1 C2 n
0.895 0.000 0.105 157500
nan nan nan 0
0.267 0.000 0.733 311500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          301000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                21000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #(c) DTCt=0;SiCs="3"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DTCt=1;SiCs="3"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DTCt=0;SiCs="2"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ###result
対応する[4]の結果
#(a) DTCt=0;SiCs="2"
                                                                                                                                                                                                                                                                                                                                                                                                                                                      #p01=(n00+n02)/n0 -
#p11=(n10+n12)/n1 -
#p21=(n20+n22)/n2 -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        # C0 C1 C2
0.936 0.002 0.062 1
0.586 0.008 0.406 2
0.234 0.005 0.761 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             # C0 C1 C2
0.960 0.018 0.021 1
0.531 0.189 0.280 7
0.186 0.107 0.707 2
                                                                                                                                                                                                                                                                                                                                                                                                         #p00=(n01+n02)/n0
#p10=(n11+n12)/n1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #p02=(n00+n01)/n0
#p12=(n10+n11)/n1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #p22=(n20+n21)/n2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #DTCt=3;SiCs="3"
                                                                                                                          C1
0.912
0.988
0.976
                                                                                                                          ### C0
##0.078
##0.006
                                                                                                                                                                                    ### C0
##0.074
##0.005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (a)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #(q)
                                      0.008)
4109 0.181 0.548 0.271 70000 150 #plb plp plz nl wpl for target Cl 0.0349045=70000*0.548)/(12600+70000+2 4109 0.181 0.548 undecidable. Should check how much data in CO and C2 for 0.181 and 0.271 4110 0.012 0.115 0.872 273000 100 #ps2 ps2 ns wp2 for target C2 0.0944882=0.012/(0.012+0.115)
                                                                                                                                                                                                                                                                       CO and
                                                                                                                                                                                                                                                                                                                                              # C0 C1 C2 n wpi #Confusion Matrix
0.809 0.183 0.008 126000 100 #p00 p01 p02 n0 wp0 for target C0 検索成功率p00′=0.990208=0.809/(0.809+
                                                                                                                                                                                                                                                                       data in
                                                                                                                                                                                                                                                                                                                                                                                                                             #gibbs:1:1:0 DTCt=3 SiCs="2" wp0:wp1:wp2=100:150:100; Seems good ?pl1が小さいが良いか? # C0 C1 C2 m wpi #Confusion Matrix # C0 0.961 0.055 0.005 105000 1000 #p00 p01 pp2 no wp0 for target C0 0.355 0.005 10500 1000 #p00 p1 p12 n1 wp1 for target C1 0.000 0.468 119000 150 #p20 p11 p12 n1 wp1 for target C2 0.000 0.016 0.983 245000 100 #p20 p21 p22 n2 wp2 for target C2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ?pllが小さいが良いか?
                                                                                                                                                                                                                                                            1=0.911/(0.911+0)=1
Should check how much
                                      )まず、pijについて20160220を参照。
過級期間 proceを増やして (=3% 5んど), 判定不能 (undesidable)とする割合
(p01*n0+p11*n1+p21*n2)/(not-n1+n2)) を増やし、
判定不能時刻を除いた時刻の話者檢察成功率p00/(p00+p02)を上げることができるか?
                                                                                        gibbs:1:1:0.3は良い結果を与えるが、p10とp12の何%が指定話者であるかを調べないと、正確な検索正解率が得られない
#(2) 201600202の[1]~[5]の実行結果。
wp0,wp1,wp2は[2-2]で指定
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Seems good
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ###gibbs:11:10.3 DTCt=1 SiCs="2"; Seems NG.
### CO C1 C2 n wpl #Confusion Matrix
### CO 0.026 147000 100 #p00 p01 p02 n0 wp0 for target CO
##0.021 0.978 0.002 21000 150 #p10 p1 p12 n1 wpl for target C1
##0.021 0.978 0.002 21000 150 #p10 p11 p12 n1 wp1 for target C2
##0.152 0.802 0.046 301000 100 #p20 p21 p22 n2 wp2 for target C2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  n wpi #Confusion Matrix
147000 100 #p00 p01 p02 n0 wp0 for target C0
21000 175 #p10 p11 p12 n1 wp1 for target C1
301000 100 #p20 p21 p22 n2 wp2 for target C2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       n wpi #Confusion Matrix
147000 10 #p00 p01 p02 n0 wp0 for target C0
21000 17 #p10 p11 p12 n1 wp1 for target C1
301000 10 #p20 p21 p22 n2 wp2 for target C2
                                                                                                                                                                                    target CO
target C1
target C2
                                                                                                                                                                                                                                                           target C0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             target CO
target C1
target C2
                                                                                                                                                                                                                                                                                              target C2
good
                                                                                                                                                                                                                                                                                                                                 #gibbs:1:1:0.3 DTCt=3 SiCs="2"; Seems
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ### C0 C1 C2
##0.963 0.006 0.031 1
##0.487 0.003 0.510 2
##0.009 0.006 0.985 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 # C0 C1 C2
0.079 0.893 0.028 1
0.006 0.487 0.507 2
0.007 0.014 0.979 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ###gibbs:1:1:0.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  # 0 0 0 # # # # # #
```

<--過渡期間DTCt=0なので、p10=p11=o12=nan(計算

#p00 p01 p02 n0 for target C0 #p10 p11 p12 n1 for target C1

#Confusion Matrix

target CO target C1 target C2

for

#p00 p01 p02 n0 f #p10 p11 p12 n1 f #p20 p21 p22 n2 f #Confusion

target C0 target C1 target C2

#Confusion Matrix #p00 p01 p02 n0 for t: #p10 p11 p12 n1 for t: #p20 p21 p22 n2 for t:

```
<--[4]で求まる値(1-p00)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             <--[4]で求まる値(1-p11)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 <--[4]で求まる値(1-p22)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         n22=n2*(1-p22)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #p20=(n21+n22)/n2 --> n2*p02=n21+n22 -->
##################### output検索結果(判定)がC1となる場合の確率
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (2) 2016002020[1]~[4]の後に、[5]を挿入し、これを実行すれば表示される。例えば次の結果が得られる。# [5] の結果
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20160220
(1) 高級期間(判定 不能)の効果を調べるために、DTCt=0 ができるようにし、さらに
Confusion matrix (詳細はwiki参照)で、性能評価できるようにした。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ### C0 C1 C2 n wpi #Confusion Matrix 0.026 47000 10 P00 P01 P02 0.026 47000 10 P00 P01 P02 0.00 Wpi ##+0.006 0.489 0.505 21000 18 #P10 P11 P12 n1 Wpl for target C1 ##-0.007 0.018 0.975 301000 10 #P20 P21 P22 n2 Wp2 for target C2
                                                                                                    ### C0 C1 C2 n wpi #Confusion Matrix
##0.594 0.000 0.036 147000 10 #p00 p01 p02 n0 wp0 for target C0
##0.697 0.000 0.513 21000 15 #p10 p11 p12 n1 wpl for target C1
##0.009 0.001 0.990 301000 10 #p20 p21 p22 n2 wp2 for target C2
                                                                                                                                                                                                                                 C1 C2 n wpl #Confusion Matrix 0.922 0.004 147001 #p00 p01 p02 n0 wpl for target C0 0.922 0.002 21000 3 #p10 p11 p12 n1 wpl for target C1 0.987 0.008 301000 1 #p20 p21 p22 n2 wp2 for target C2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ################## output検索結果(判定)がCOとなる場合の確率
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ##################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ^ ^
```

```
set view 16,108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           set view 21,73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ###############
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         if($1!=0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eb0=C${CbG}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              export CpG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #for sX_
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #[2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                49.32 A 49.32 
                                                                                                                                                                                       29.0.030 (1919.1049 ) 1470 (1918.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (1919.1049 ) 1470 (19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4280 cat /dev/null > psgsum.dat
428. cat /dev/null > bsgsum.dat
428. cat /dev/null > cat /dev/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           prog=speakerdigit_v6
make ; make data-clean
dl=./result-speaker_search; if [ ! -e $dl ]; then mkdir $dl;fi
###42=/media-6f_D_DRTVB.cdata/15iconip/20150917takeguchi/12voicedata_sakashita/12voicedata/allpole;d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4288 #cmd="$prog fs:${d2}/oob4s:-IN40mbas2:300:1.6:1sx${sX}.y nSDL:7:10:10 pmin:0.01 ytm:1:0.9:1000 $gibb s ver:-2 pbpAd:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:${pab}:
                                                                           4240 #evalloss4pG p:../result-speaker_search/ProbDistSpeaker.dat t:CO.target o:pGp.output vth:0.5:0## 0.0 35 0.036 0.449 0.499 3 147000 #LAVE.LACE,LNLP.INLPD,nC ndata <-- LAVE=1-p00= 0.036=1-0.964
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20160125 [a]-[e] ##b
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4291 cmd="%prog fs:%{d2}\oob4s_-1N40mbas2_300_1.6_18x${sx}\.y nSDL:7:10:10 pmin:0.01 ytm:1:0.9:1000 $gibbs $beta ver:-2 pApAd:%{pAs}:${pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{pAs}:5{
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #### use only gibb:1:1:1(GEBI) gibbs:1:1:0(BI), see 20160125 [a]-[e] ##beta=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #done #LoopLevel2:for sX in 0 1 2 3 4 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4276 DTCt=3;#DTCt=0;DTCt=4; #4277 SiCs="0 3 2"; #depnds on speakerdigit_v6.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #### use only gibb:1:1:1(GEBI) gibbs:1:1:0(BI), see
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ####d2=/media/sf_DRIVB/cdata/l5iconip/2015.105sakaahita/id2sep="."
###d2=/sotu/2015iconip/liconip_asigen/2012/12voicedata/allpole/d2sep=":"
###d2=../../2012/12voicedata/ioonip!dataid2sep=":"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20160214
(1) 各テストにおけるt-pg曲線の表示を201600202の[1]の後ろ([2]の前)に入れた。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DTCoCp=30,20:20,15:20,10:20 ##DTCoCp=30,20:20,15:20,10:20,5:20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cat /dev/null > resultsum.dat
cat /dev/null > psdaum.dat
cat /dev/null > psdaum.dat
fbq.skumls) > testSasum.dat
fbd.skumls) > testSeaker;cat /dev/null > $fbg.dat #Initialize
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                tmp=./tmp;if [ ! -e $tmp ]; then mkdir $tmp;fi ###obtain psdsum.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ###d2=../../2012/12voicedata/allpole;d2sep=":"
d2=~/sotu/2012/12voicedata/allpole;d2sep=":"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #echo "##wc psdsum.dat tmp/psd.dat"
#wc psdsum.dat tmp/psd.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                echo "Exec $cmd";$cmd > /dev/null
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        done #for sX excluded speaker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4274 gibbs=gibbs:1:0.5:0.2 #
etta=becta:0.5:0.3 ##### tune this,
4275 gibbs=gibbs:1:1:0 #####
beta:0.5:0.3 #### tune this,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       5:0.3 #### tune this,
DTCt=3;#DTCt=0;DTCt=4;
4239 #(b) DTCt=1;SiCs="2"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     201600202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              estsdsum.dat
4298 #echo
4299 #wc ps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ics:...
4278
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  dev/null
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4254
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4255
4258
4259
4260
4261
4262
4263
4263
4265
4265
4265
4265
4265
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4292
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4297
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4269
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4290
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4268
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4273
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4253
```

```
## 0.0 ### the following takes a lot of time to display vi-

4306 the following takes a lot of time to display vi-
4307 shughor "Expect of the following takes a lot of time to display vi-
4308 set term postsorictise output "$fntpG.eps";
4308 set term postsorictise output "$fntpG.eps";
4309 plot "resultsum.dat" using 1:2:(\$2-\$4):(\$2+\$5) w errorbars, "" n-'
4310 plot "resultsum.dat" using 1:2:(\$2-\$4):(\$2-\$5) w errorbars, "" n-'
4311 EDF
4312 md-'gr $fntpG.eps'; eco "Drec $comd."; $comd.
4313 md-'gr $fntpG.eps'; eco "Drec $comd."; $comd.
4314 mf#fntplot "complexing" to "Drec $comd."; $comd.
4315 ###enuplot "complexing" to "Drec $comd."; $comd.
4316 ###enuplot "complexing" to "Drec $comd."; $comd.
4317 ###plot "postsoript;set "
4318 ####quit "postsoript;set "
4319 ####EDF
4319 ####EDF
4319 ####EDF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #LoopLeve2:for sX_ in 0 1 2 3 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #LoopLevell: for CpG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   # (CGG="E" && (n4=0 | | n4=2))) {print $3,$0,"n=",n,n4,"C=",C[n],C[1],nmax;}
cmdl="cp ${fb0}.dx {fbr}.dat"
echo $cmdl:$cmdl
#nd="we ${fb0}.dx {dx } {d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                oat ${fbr}.dat|awk 'BEGIN{1=0;}{if(1++82==0) print $0;}' >> ${fbr}_PPtrain.dat cat ${fbr}.dat|awk 'BEGIN{1=0;}{if(1++82==1) print $0;}' >> ${fbr}_PPtest.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     awk 'BEGIN{CpG=ENVIRON["CpG"];Ctotp=ENVIRON["Ctotp"];nmax=split(Ctotp,C);}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ### making training histgram for probabilistic prediction ### class Cp: prompted speaker's digits, Co:other speaker's, Ct:transient
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ¿¿¿###
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cat /dev/null > ${fbr}_Ptrain.dat ##PP:Probabilistic Prediction
cat /dev/null > ${fbr}_Ptest.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           if((CpG="p" && n4==3)|
(CpG="o" && n4==1)|
(CpG="t" && (n4==0 | | n4==2))) {print $3,$0;}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  set xlabel "test"; set ylabel "t"; set zlabel "pG";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "tmp/tpG1.eps";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               set term postscript;set output "tmp/tpG2.eps";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            # CLASS of pG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #export sX_0='expr $sX_ \* $nd0 \* 2'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          set term postscript/set output "tmg
splot "tmp/tpG.dat" using 1:2:3 w
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      splot "tmp/tpg.dat" using 1:2:3 w
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            export Ctotp='cat tmp/Ctotp.dat'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         in 0 1 2 3 4 5 6; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            for CpG in "p" "t" "o" ; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           fbr=${\dilumbdal}/\rightarrow{fb0}$
cat /\dev/null > ${fb0}.dat
cat psdsum.dat|
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        for(n=1;n<=nmax;n++){
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 n4=(n-1)%4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  }' >> ${fb0}.dat;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    if($1<C[n])
```

readmecan2mspeech.txt

```
4521 ####### SiCs="2" registered spekers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ### insert first column to be the value of pG, while 2,3,4 columns P(c_i|p_G) for c_i=Cp, Ct, Co, re
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4411 set yrange [0:1.3]; set style data boxes; #set style data histeps
4412 set style fill soild border Lo rgb "black"
4413 set style fill soild border Lo rgb "black"
4413 set team tgif.set output "$fødg.obj", "r rgb "blue" t "Prompted Speaker", "" using 1:(\$3+\$4) lc rgb
by-yellow t "Fransient", "" using 1:(\$4) rgb "blue" t "other Speaker"
4415 set team postsoript;set output "$fødg-pddist.eps";plot "$fhg.dat" using 4:(\$1+\$2+\$3) lc rgb "gree
n" t "pcp 0,"
n" t "pcp 0,"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #LoopLev
#sed -n -e "'expr \{sx_0\} + 1', 'expr \{sx_0\} + snd0'p" \{fbr\}.dat >> \{fbr\}_PPtrain.dat = stach -e "'expr \{sx_0\} + snd0 + 1', 'expr \{sx_0\} + snd0 \* 2'p" \{fbr\}.dat >> \{fbr\}_PPtest.dat = stach 
                                                                                                                                                                                                                                                                                                                                                                                                    echo $cmd; $cmd
fh=${al/nist-c${cpd}.eps}
op $tmp/hist-teps $fhe
#gy $fhe #disp result
cp $fhg.dat $tmp/histtmp.dat
cat tmp/hist.dat |awk '{print $3}'> tmp/hist3.dat.paste $tmp/histtmp.dat > $fhg.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    export wp0=100 wp1=150 wp2=100; #weight of posterior distribution of probabilistic prediction export x0=0 ndiv=100 nmav=3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #Done:LoopLevell: for CpG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cmd="gv ffpdg.eps"; echo "Exec $cmd."; $cmdk #show p(c\_i|p\_G) cmd="gv $fpdg-pGdist.eps"; echo "Exec $cmd."; $cmdk #show p(pg)
                                                                                                                                                                                                                                                                                                                                                                            cmd="histmav1-onsei $x0 $ndiv $nmav ${fbr}_Ptrain.dat"
                                                                                                                                                                                                    ### Likelihood P(c\_i|p\_G) for Probabilistic Prediction ### Histgram by moving average of each class?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               sum/psum,plsum/psum,p2sum/psum);}' >> $fpdg.dat
                                                                                                                                                                        #####################################
                                                                                                                                                                                                                                                                          #####################################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ###################################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   sleep 2;
done #for CpG in "p" "t" "o" ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 spectively
4399 fpdg=$dl/ProbDistSpeaker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ##########
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ##show
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4395
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4398
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4397
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4405
```

#gibbs:1:1:0 DTCocp=30,20:20,15:20,10:20; DTCt=3; SiCs="2" Conventional Bayes better? #evalloss4pG p:../result-speaker_search/ProbDistSpeaker.dat t:C0.target o:pGp.output vth:0.5:0##0.01

4564 #gibbs:11:10.2 DTCCCp=30,20:20,15:20,10:20? DTCt=5; SiCs="2" modified Bayes
4565 #evallossey6p p:../result-speaker_search/ProbbistSpeaker.dat t:C0.target o:pgp.output vth:0.5:0##0.00
5 0.045 0.212 0.219 3 105000 #LAVE,LACE,LNLP,LNLPD,nC ndata
4566 #evallossey6p p:../result-speaker_search/ProbbistSpeaker.dat t:C1.target o:pgt.output vth:0.5:0##0.48
5 0.498 1.018 1.019 3 119000 #LAVE,LACE,LNLP,LNLPD,nC ndata

4563

4567 #evalloss4pG p:../result-speaker_search/ProbDistSpeaker.dat t:C2.target o:pGo.output vth:0.5:0##0.00 1 0.013 0.205 0.210 3 245000 #LAVE.LACE,LNLP,LNLPD,nC ndata

4568 #evalloss4pG p:../result-speaker_search/ProbDistSpeaker.dat t:Ctgtall.target o:pGall.output vth:0.5: 0##0.125 0.143 0.413 0.417 3 469000 #LAVE,LACE,LNLP,LNLPD,nC ndata

Dec 05 2019 13:52:41 readmecan2mspeech.txt

#LAVE,LACE,LNLP,LNLPD,nC ndata

3 0.067 0.205 0.229 3 126000

4578 #evalloss&pG p:./result-speaker_search/ProbbistSpeaker.dat t:CU.target o:pGp.output vth:0.5:0##0.00 6.556 1.063 7.000 #LAVE.LAND.LAND.D.C ndata 4578 #evalloss&pG p:./result-speaker_search/ProbbistSpeaker.dat t:Cl.target o:pGc.output vth:0.5:0##0.48 6.556 1.063 7.0000 #LAVE.LAND.LAND.D.C ndata 4579 #evalloss&pG p:./result-speaker_search/ProbbistSpeaker.dat t:C2.target o:pGo.output vth:0.5:0##0.00 3 0.017 0.217 0.229 3 273000 #LAVE.LAND.LAND.D.C ndata 4580 #evalloss&pG p:./result-speaker_search/ProbbistSpeaker.dat t:C2.target o:pGo.output vth:0.5:0##0.00 0.860 #LAVE.LAND.LAND.D.C ndata 4581 #evalloss&pG p:./result-speaker.search/ProbbistSpeaker.dat t:Ctgtall.target o:pGall.output vth:0.5:0##0.00 0.040 0.361 3 469000 #LAVE.LAND.LAND.D.C ndata 4582 #evalloss&pG p:./result-speaker.search/ProbbistSpeaker.dat t:C0.target o:pGp.output vth:0.5:0##0.02 0.040 0.266 0.287 3 126000 #LAVE.LAND.LAND.D.C ndata 4583 #evalloss&pG p:./result-speaker.search/ProbbistSpeaker.dat t:C0.target o:pGp.output vth:0.5:0##0.03 0.040 0.266 0.287 3 126000 #LAVE.LAND.LAND.D.C ndata 4583 #evalloss&pG p:./result-speaker.search/ProbbistSpeaker.dat t:C1.target o:pGt.output vth:0.5:0##0.45 0.040 0.266 0.287 3 126000 #LAVE.LAND.D.C ndata 4584 #evalloss&pG p:./result-speaker.search/ProbbistSpeaker.dat t:C1.target o:pGt.output vth:0.5:0##0.45 0.040 0.266 0.287 3 126000 #LAVE.LAND.D.C ndata 4584 #evalloss&pG p:./result-speaker.search/ProbbistSpeaker.dat t:C1.target o:pGt.output vth:0.5:0##0.45 0.040 0.266 0.287 3 126000 #LAVE.LAND.D.C ndata 4584 #evalloss&pG p:./result-speaker.search/ProbbistSpeaker.dat t:C1.target o:pGt.output vth:0.5:0##0.45 0.0##0.45 0 4884 #evallossafgG p:../result-speaker_search/ProbblstSpeaker.dat t:C2.target o:pgG.output vth:0.5:0##0.00 (0.16 0.296 0.306 3.27300 #LAVE.LACE.LNLP.LNLPD.nC ndata 4885 #evallossafgG p:./result-speaker_search/ProbblstSpeaker.dat t:Cittall.target o:pgGall.output vth:0.5:0##0.079 0.123 0.408 0.400 3.46900 #LAVE.LACE.LNLD.MLDD.nC ndata 4886 #albbs:1:1.5:0 DTCOG-35.0.15:20,10.20; DTCE=3; SiGs="2':modiled Bayes Not so much? 4887 #evallossafgG p:./result-speaker_search/ProbblstSpeaker.dat t:C0.target o:pgp.output vth:0.5:0##0.03 5.035 0.382 0.434 3.126000 #LAVE.LACE.LNLP.LNLPD.nC ndata 4888 #evallossafgG p:./result-speaker_search/ProbblstSpeaker.dat t:C1.target o:pgc.output vth:0.5:0##0.43 7.0898 1.101 1.123 3.70000 #LAVE.LACE.LNLP.LNLPD.nC ndata 4888 #evallossafgG p:./result-speaker_search/ProbblstSpeaker.dat t:C2.target o:pgc.output vth:0.5:0##0.00 4488 #evalloss4fgG p:.//result-speaker_search/ProbblstSpeaker.dat t:C2.target o:pgG.output vth:0.5:0##0.00 4489 #evalloss4fgG p:.//result-speaker_search/ProbblstSpeaker.dat t:C2.target o:pgG.output vth:0.5:0##0.00 4593 #gibbs:11:1.5:0 DTCoCp=30.20:20,15:20,10:20; DTCt=3; SiCS="3"; modified bayes better? not so much 4594 #evalloss4pc ps. ./reault-speaker_seartOhProbblstSpeaker_dat t:00.target o:pGp.output vth:0.5:0##0.03 4 0.036 0.564 0.634 3.126000 #LAVE.LACE.LAND.LAMIDP, no mata 4 0.036 0.564 0.634 3.126000 #LAVE.LACE.LAND.LAMIDP, no mata 4595 #evalloss4pc p: ./reault-speaker_search/probblstSpeaker.dat t:Cl.target o:pGt.output vth:0.5:0##0.67 8 0.946 0.900 1.117 3 70000 #LAVE.LACE.LAND.LAMIDP, no mata 4596 #evalloss4pc p: ./reault-speaker_search/ProbblstSpeaker.dat t:Cl.target o:pGo.output vth:0.5:0##0.28 4596 #evalloss4pc p: ./reault-speaker_search/ProbblstSpeaker.dat t:Cl.target o:pGo.output vth:0.5:0##0.28 4601 #evalloss4pG p:../result-speaker_search/ProbbisEbpeaker.dat t:Cl.target o:pgC.output vth:0.5:0##0.69 0.810.09f1.1149 3 70000 #LAVPE.AGAL.XINIP.ALDP.AC Adata 4602 #evalloss4pG p:../result-speaker_search/ProbbisEspeaker.dat t:Cl.target o:pgC.output vth:0.5:0##0.31 50.233 0.530 0.799 3 273000 #LAVE.AACE.ANLP.ALDP.D.C Adata 4603 #evalloss4pG p:../result-speaker_search/ProbbisEspeaker.dat t:Clgtall.target o:pgall.output vth:0.5:0##0.31 0##0.302 0.580 0.791 3 469000 #LAVE.AACE.ANLP.ALDP.AC Adata 4605 #gibbs:1:1:0.1 DTCOCp=30,20:20,15:20,10:20; DTCt=3; SiCs="3"; modified Bayes NG?
4606 #evalloss4pG p:..(result-speaker.search/ProbbistSpeaker.dat t:CO.target o:pGp.output vth:0.5:0##0.00
5.038 0.463 0.523 3 105000 #LAVE,LACE,LNLP,LALDE,LOT ndata
4607 #evalloss4pG p:..(result-speaker.search/ProbbistSpeaker.dat t:Cl.target o:pGt.output vth:0.5:0##0.72
4 0.834 0.994 1.161 3 119000 #LAVE,LACE,LNLP,LNLPD,nC ndata 4614 #evalloss4pG p:../result-speaker_search/ProbDistSpeaker.dat t:C2.target o:pGo.output vth:0.5:0##0.38 0.347 0.569 0.834 3 273000 #LAVE,LACE,LNLP,LNLPD,nC ndata 4619 #gibbs:1:0.5:0.2 DTCoCp=30,20:20,15:20,10:20; DTCt=5; SiCs="3"; NG? 450 #svallossepto p:../result-speeker_search/ProbblistSpeeker.dat t:CO.target o:pGp.output vth:0.5:0##0.02 0.147 0.547 0.673 3 126000 #laAPP.LACE_LAID-LAID-LAID-CAT of control to the contr /result-speaker_search/ProbDistSpeaker.dat t:Cl.target o:pgt.output vth:0.5:0##0.52 4573 #evalloss4pG p:../result-speaker_search/ProbDistSpeaker.dat t:C2.target o:pGo.output vth:0.5:0##0.52 6.038 3.238 0.248 3.23000 #ADWD.AGG,INLP.LNLPD.NC ndata 4574 #evalloss4pG p: "result reformation to the control of the contro 4574 #evalloss4pG p:./resul--speaker_search/ProbblstSpeaker.dat t:Ctgtall.target o:pGall.output vtn:0.5:0##0.00 0##0.085 0.104 0.334 0.351 3 469000 #LAVE,LACE,LALEP,LADE.p.no ndata t:C0.target o:pGp.output vth:0.5:0##0.02 vth:0.5:0##0.33 7 0.308 0.523 0.800 3 245000 #LAVE,LACE,LNLP,LNLPD,nC ndata 4609 #evalloss4pG p:../result-speaker_search/ProbbissSpeaker.dat t:Ctgtall.target o:pGall.output vth:0.5: 0#80.361 0.381 0.629 0.830 3 469000 #LAVE,LACE,LNLPD,nC ndata 4610 vth:0.5:0##0.00 /result-speaker_search/ProbDistSpeaker.dat t:Cl.target o:pGt.output vth:0.5:0##0.68 vth:0.5: t:Ctgtall.target o:pGall.output vth:0.5: /result-speaker_search/ProbDistSpeaker.dat t:Ctgtall.target o:pGall.output 456 #evalloss4pd pu. //result-speaker_search/ProbbistSpeaker.dat t:C2.target o:pgo.output 3 0.256 0.530 0.833 3.273000 #LAVE,LACE,LNID, JRIDD,nC mdata 4597 #evalloss4pd pi. //result-speaker_search/ProbbistSpeaker.dat t:C2.target o:pgo.output 3 0.256 0.530 0.832 3.273000 #LAVE,LACE,LNIL,DLD,nC mdata 4597 #evalloss4pd pi. //result-speaker_search/ProbbistSpeaker.dat t:Ctgtall.target o:pgall.c0##0.275 0.300 0.595 0.822 3 469000 #LAVE,LACE,LNILP,LNILPD,nC ndata 4598 #gibbs:1:1:0 DTCoCp=30,20:20,15:20,10:20; DTCt=3; SiCs="3"; Bayes Good? 4500 #CAPLOSS4pd pi. //result-speaker_search/ProbbistSpeaker.dat t:C0.target o:pgp.output v 90.040 0.476 0.540 3 126000 #LAVE,LACE,LNILP,NLDD,nC ndata 4601 #evalloss4pd pi. //result-speaker_search/ProbbistSpeaker.dat t:C0.target o:pgp.output v 90.040 0.476 0.540 3 126000 #LAVE,LACE,NLD,nC ndata 4601 #evalloss4pd pi. //result-speaker_search/ProbbistSpeaker.dat t:C0.target o:pgp.output v 90.040 0.476 0.540 3 126000 #LAVE,LACE,NLD,nC ndata 4601 #evalloss4pd pi. //result-speaker_search/ProbbistSpeaker.dat t:C0.target o:pdp.output v 90.040 0.476 0.540 0 ####### SiCs="3" unregistered speakers #gibbs:1:1.5:0 DTCoCp=30,20:20,15:20,10:20; DTCt=3; SiCs="3"; modified bayes better? #evalloss4pg p:../result-speaker_search/ProbDistSpeaker.dat t:C2.target o:pgo.output /result-speaker_search/ProbDistSpeaker.dat t:C0.target o:pGp.output #gibbs:1:0.5:0 DTCoCp=30,20:20,15:20,10:20; DTCt=3; SiCs="3"; modified bayes wore p:../result-speaker_search/ProbDistSpeaker.dat 0.790 3 469000 #LAVE,LACE,LNLP,LNLPD,nC ndata 4611 #gibbs:1:0.5:0 DTCoCp=30,20:20,15:20,10:20; DTCt=3; 4612 #colloss40g p:../result-speaker_search/ProbDistSpead.05:0.012.0.421.0.495 3.12600 #LAYE,LACE,LAUP,LAUPD,LACE mater 4572 #evalloss4pg p:../result-speaker_search/ProbDistSpe 4 0.427 0.979 0.982 3 70000 #LAVE,LACE,LNLP,LNLPD,nC ndata 1 0.723 0.976 1.153 3 70000 #LAVE,LACE,LNLP,LNLPD,nC ndata #evalloss4pG p: 4615 #evalloss4pG 0##0.329 0.324 0.590 4592 4608 4613 4591 4604

ch.txt Page 66

```
4652 #evalloss4pG p:../result_speaker_search/ProbDistSpeaker.dat t:CO.target o:pgp.output vth:O.5:O##0.01 660.094 0.195 0.223 56000 #LAVE.LACE_LAILP_INIPD_INC ndata 6652 #evalloss4pG p:../result_speaker_search/ProbDistSpeaker.dat t:CO.target o:pgt.output vth:O.5:O##0.42 60.574 1.018 1.028 3 38500 #LAVE_LACE_LAILP_LAND_INC ndata 4654 #evalloss4pG p:../result_speaker_search/ProbDistSpeaker.dat t:CO.target o:pgc.output vth:O.5:O##0.01 60.574 #.018 1.028 3 38500 #LAVE_LACE_LAILP_INIPD_INC ndata 4654 #evalloss4pG p:../result_speaker_search/ProbDistSpeaker.dat t:CC.target o:pgc.output vth:O.5:O##0.01 6655 #evalloss4pG p:../result_speaker_search/ProbDistSpeaker.dat t:Ctgtall.target o:pgall.output vth:O.5:O##0.092 0.160 0.420 0.439 3 206500 #LAVE_LACE_LINIPP_INC ndata
                                                                                                                                                                                                                                                                                                                                                                                                                                                            4642 #evalloss4pG p:../result-speaker_search/ProbbistSpeaker.dat t:C2.target o:pGo.output vth:0.5:0##0.00 5.0.046 0.388 0.365 a 119000 HaAPA LAGE_LNLP_LNLP_nC ndata 4643 #evalloss4pG p:../result-speaker_search/ProbbistSpeaker.dat t:Ctgtall.target o:pGall.output vth:0.5:0##0.063 0.121 0.424 0.435 3 206500 #LAVE_LAGE_LNLP_LNLP_NC ndata
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4645 #gibbs:1:0.5:0.2 DTCcop=20,20:20, DTCt=5; SiCs="2";
4646 #evalloss4pG p:./result-speaker.search/ProbbistSpeaker.dat t:CO.target o:pgp.output vth:0.5:0##0.00
9.053 0.149 0.170 3 52500 #LAVE,LACE,LNLP,LNLPD,nC ndata
4647 #evalloss4pG p:./result-speaker.search/ProbbistSpeaker.dat t:Cl.target o:pgt.output vth:0.5:0##0.42
3 0.517 0.964 0.967 3 49000 #LAVE,LACE,LNLP,LNLPD,nC ndata
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4657 #gibbs:1:0.5:0.2 DTCocp=20,20:20 DTCt=3; SiCs="2";
4658 #evalloss4pG p:./result-speaker_search/ProbDistSpeaker.dat t:CO.target o:pGp.output vth:0.5:0##0.03
10.109 0.2559 0.297 3 55900 #APAPE,ADGE_LNULP_LNULPD_AC Adata
4659 #evalloss4pG p:./result-speaker_search/ProbDistSpeaker.dat t:Cl.target o:pGt.output vth:0.5:0##0.37
6 0.556 1.010 1.032 3 28000 #LAVE,LAGE_LNULP_ANLED_AC Adata
                                                      2 0.764 0.814 1.111 3 70000 #LAVE,LACE,LAIDP,LNIPD,nC ndata
4622 #evalloss4pG p:../result-speaker_search/ProbbjistSpeaker.dat t:C2.target o:pGo.output vth:0.5:0##0.56
6 0.416 0.686 1.000 3 273300 #LAVE,LACE,LAIDP,LNIPD,nC ndata
4623 #evalloss4pG p:../result-speaker_search/ProbbjistSpeaker.dat t:Ctgtall.target o:pGall.output vth:0.5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4633 #gibbs:1:1:0 DTCocp=20,20:20, DTCt=5; SiCs="2"; good?
4634 #evalloss4pG p:../result-speaker_search/ProbbistSpeaker.dat t:CO.target o:pGp.output vth:O.5:0##0.03
0.039 0.255 0.287 3 55200 #LAVB.LAGE.LINID.PLD.D.C ndata
4635 #evalloss4pG p:../result-speaker.search/ProbbistSpeaker.dat t:Cl.target o:pGt.output vth:O.5:0##0.35
4 0.847 1.096 1.101 3 49000 #LAVE,LACE.LINID.LINID.D.nC ndata
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4636 #evalloss4pG p:../result-speaker_search/ProbbistSpeaker.dat t:C2.target o:pGo.output vth:0.5:0##0.00 c. 0.007 0.421 0.436 s 105000 HaAPA I.Ace.,NALp.,Nalp.,nc ndata 4637 #evalloss4pG p:../result-speaker_search/ProbbistSpeaker dat t:Ctgtall.target o:pGall.output vth:0.5:0##0.094 0.215 0.542 0.551 3.206500 #LAVE.LACE.,LNLP,LNLPD,nC ndata
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4640 #evalloss4pG p:../result-speaker_search/ProbbistSpeaker.dat t:CO.target o:pGp.output vth:O.5:0##0.03 0.041 0.245 3 59500 #hAVB.AAGA.TMIP.LMIP.D.nC ndata 4641 #evalloss4pG p:../result-speaker_search/ProbbistSpeaker.dat t:Cl.target o:pGt.output vth:O.5:0##0.37 4 0.739 1.092 1.097 3 28000 #LAVE.LACE.LMIP.LNILPD.NC ndata
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4648 #evalloss4pG p:../result-speaker_search/ProbDistSpeaker.dat t:C2.target o:pGo.output vth:0.5:0##0.00 c 0.043 o.2556 0.349 a 105000 #LAVB_LAGEN_INID_INC Indata 4649 #evalloss4pG p:../result-speaker_search/ProbDistSpeaker dat t:Ctgtall.target o:pGall.output vth:0.5:0##0.104 0.158 0.417 0.427 3 206500 #LAVE_LAGE,LNIDP,LNIDP,NC Indata
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4660 #evalloss4gG p:../result-speaker_search/ProbbistSpeaker.dat t:C2.target o:pGo.output vth:0.5:0##0.04 co.078 0.389 11900 #LAVB.LAGE.NAID.LAUD.nC ndata 4661 #evalloss4pG p:../result-speaker_search/ProbbistSpeaker.dat t:Ctgtall.target o:pGall.output vth:0.5:0##0.084 0.151 0.421 0.450 3 206500 #LAVE.LACE.NILP.NLID.p.Nn ndatea
vth:0.5:0##0.68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ###dl=../result-speaker_search; if [ ! -e $dl ]; then mkdir $dl/fi
#####d2=/media/sf_D_DRIVE/cdata/15iconip/20150917takeguchi/12voicedata_sakashita/12voicedata/allpol
                                                                                                                                                                                                                                 4623 #evalloss4pG p:../result-speaker_search/ProbDistSpeaker.dat t:Ctgtall.target o:pGall.output vth:0.5:
0##0.438 0.396 0.668 0.929 3 469000 #LAVE,LACE,LNLP,LNLPD,nC ndata
./result-speaker_search/ProbDistSpeaker.dat t:Cl.target o:pGt.output
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #####d2=/media/sf_D_DRIVE/cdata/15iconip/20151005sakashita/;d2sep="_"
#####d2=-/sotu/2015iconip/iconip_saigen/2012/12voicedata/allpole/d2sep=":"
                                                                                                                                                                                                                                                                                                                                                                                                            4625 #gibbs:1:0.5:0.2 DTCoCp=30,20:20,15:20,10:20; DTCt=5; SiCs="2"; NG?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4651 #gibbs:1:0.5:0.2 DTCoCp=20,20:20 DTCt=4; SiCs="2";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4639 #gibbs:1:1:0 DTCoCp=20,20:20, DTCt=3; SiCs="2";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ######### copy and paste from here for (1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ###make ; make data-clean
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ###prog=speakerdigit_v6
#evalloss4pg p:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ###201600201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          e;d2sep="_'
4673 ###
4674 ###
                                                                                                                                                                                                                                                                                                                                                            4624
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4638
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4650
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4644
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4656
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

######d2=../../2012/12voicedata/iconip14data;d2sep=":"

```
n of test:7:....
4689 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4690 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4690 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4691 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4691 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4691 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4691 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x in 0 1 2 3 4 5 6; do sP=-1;
4692 ###for x
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4693 ####cmd="%prog fs:${d2}/oob4s:-IN40mbas2:300:1.6:1sx${sX}.y nSDL:7:10:10 pmin:0.01 ytm:1:0.9:1000 $g ibbs ver:-2 phpad:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${px}[tabs]:${
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #### obtained psdsum.dat consists of lines involving (1)t(step),(2)n(number of data),(3)test->pGC[n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #LoopLevell:for iCs for set 2rd optio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4696 ###cmd="$prog fs:${d2}/oob4s_-1N40mbas2_300_1.6_1sx${sx}.y nSDL:7:10:10 pmin:0.01 ytm:1:0.9:11000 $9i bas $peta ver:-2 papad:${pab}; ${pad} LaR:0:0:1 test:7:2000:${1C8}:0:20:100:20:2 sx:$sx sp:$sp void:0":$cmd > /dev/null
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #done #LoopLevel2:for sX in 0 1 2 3 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ###fng=$tmp/histSpeaker;cat'/dev/null > $fng.dat #Initialize
###SiCs="2"; ####for 3:Unregistered, 2:Incorrect SiCs="0 3 2"; #depnds on speakerdigit_v6.c test:77.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ###cmd="cat tmp/Ctotp.sh";echo "Manually Exec $cmd";$cmd
###export C1012="3 30 33 50 53 70 73 85 88 105 108 115 118 135 138 140 143 160 "; #Sequence of time
                                                                                                                                                                                                                                                                                     20160125 [a]-[e]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "blue"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #done #LoopLevell:for iCs $SiCs;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              rgb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #LoopLevell: for CpG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ###set term postscript/set output "$fntpG.eps"; ###plot "resultsum.dat" using 1:2 w l lc ###plot "resultsum.dat" using 1:2 (\$2-\$4):(\$2-\$5) w errorbars, "" using 1:2 w l lc
                                                                                                                                                                                                                                                                                     #### use only gibb:1:1:1(GEBI) gibbs:1:1:0(BI), see
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ###echo -e"\\n" >> resultsum.dat ########### <== mean,UC of pG
###cat $tmp/psd.dat >> psdsum.dat ######### <== pG for all tests for speaker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ###555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ##### making training histgram for probabilistic prediction ##### class Cp: prompted speaker's digits, Co:other speaker's, Ct:transient
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         if(((CpG == "p") \&\&(\$1>=33)\&\&(\$1<43)) \ | \ | \ |(CpG == "t") \&\&((\$1>=30)\&\&(\$1<33) \ | \ | \ (\$1>=50)\&\&(\$1<57))) | \ | \ |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ######cmd="gv $fntpG.eps"; echo "Exec $cmd."; $cmd&
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ###for Cpd in "p" "t" "o"; do # CLASS of pg
####corecs(cpg)
###fb0=cs(cpg)
###fb1=s(d1)/resultp_s(fb0)
###act /edv/null > $[fb0].dat
###act padsum.dat awk 'PBGIN{cpg-ENVIRON['Cpg'];}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #####set term postscript;set output "$fntpG.eps";
#####plot "psdsum.dat" using 1:3 w d
     #####d2=../../2012/12voicedata/allpole:d2sep=":"
###d2=~/sotu/2012/12voicedata/allpole:d2sep=":"
                                                                                                 ###tmp=./tmp;if [ ! -e $tmp ]; then mkdir $tmp;fi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ###echo "Exec $cmd";$cmd > /dev/null
###cat $tmp/testsd_stat.dat >> resultsum.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #### if(((CpG=="p")&&($1>=23)&&($1<33)) ||
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ((CpG=="o")&&($1>=20)&&($1<30)))
                                                                                                                                                                                                                                                                                                                                                                                                                             ####beta=beta:0.5:0.3 #### tune this,
                                                                                                                                                                                                                                                                                                                                                                       ###DTCoCp=30,20:20,15:20,10:20,5:20
                                                                                                                                                                                              ###cat /dev/null > resultsum.dat
###cat /dev/null > psdsum.dat
###gibbs=gibbs:1:0.5:0.2 ####
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ###cat $tmp/psd.dat >> psdsum.dat
###done #for sX excluded speaker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 changing the class Ct,Co,Ct,Cp
                                                                                                                                             #####obtain psdsum.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          :$iCs:...
4688 ###for iCs in $SiCs; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ###done # for iCs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ###area13
                                                                                                                                                                                                                                                                                                                                      ###DTCt=3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ###areal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4695 ###else
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ###[2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ###E1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 of test:7:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4702
5 6;
4703
4704
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4697
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4698
4699
4700
4701
```

Page 69

```
#LoopLeve2:for sX_ in 0 1 2 3
                                                                                                                                                                                                                                                                                     ###export's%_0='expr $s%_\* 2000 \* $nd'
###echo "sed -n -e \"'expr ${s%_0} + 1','expr ${s%_0} + 1000 \* $nd'p\" ${fbr}.dat >> ${fbr}_PPtra
                                                                                                                                                                                                                                                                                                                             ###sed -n -e "'expr ${sX_0} + 1','expr ${sX_0} + 1000 \* $nd'p" ${fbr}.dat >> ${fbr}_DPtrain.dat ###echo "sed -n -e \"'expr ${sx_0} + 1000 \* $nd + 1','expr ${sX_0} + 20000'p\" ${fbr}.dat >> ${fbr}}
                                                                                                                                                                                                                                                                                                                                                                                                          in 0
                                                                                                                                                                                                                                                                                                                                                                   ###sed -n -e ".expr \{sx_0\} + 1000 \ \ snd + 1', expr \{sx_0\} + 2000 \ \ snd \ \ \ \{fbr\}.dat >> \{fbr\}_F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ###cat tmp/hist.dat |awk '{print $3}'> tmp/hist3.dat;paste $tmp/histtmp.dat tmp/hist3.dat > $fhg.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ###sleep 2; #Done:LoopLevell: for CpG  
##### #for CpG  
###### insert fixet column to be the value of pG, while 2,3,4 columns P(c_-i|p_-G) for c_-i=Cp, Ct,
                                                                                                                                                                                                                                                                                                                                                                                                          #Done:LoopLeve2:for sX_
                                                                                                                                                                                                                                   ##### divide 20000=2000*10 data into 10000=1000*10 each for train and test
####![ "$CpG" = "p" ]; then nd=$np; fi
###![ "$CpG" = "t" ]; then nd=$np; fi
###![ "$CpG" = "t" ]; then nd=$np; fi
###![ "$CpG" = "o" ]; then nd=$np; fi
                                                                                                                                                                                ###cat /dev/null > ${Ebr}_PPtrain.dat ##PP:Probabilistic Prediction ###cat /dev/null > ${Ebr}_PPtest.dat
                                    #### if(((CpG=="p")&&($1>=25)&&($1<35)) ||
#### ((CpG==""-")&&($1>=20)&&($1<25) || ($1>=40)&&($1<45)))||
#### ((CpG=="")&&($1>=10)&&($1<20))
#### ((SpG=="")&&($1>=10)&&($1<20)))
####print $3.50:}}' >> ${fb0}.dat ;
####cmdl="Cpg" $fb0, dat ###cmdl="Cpg" $fb0, dat ####cmdl="Cpg" $fb0, dat ####cmdl="Cpg" $fb0, dat ####cmdl="Cpg" $fb0, dat ###ench0 $cmdl;$cmdl
((CpG=="t")&&(($1>=20)&&($1<23) | ($1>=40)&&($1<47)))|
                                                                                                                              #number of prompted speaker's digits
#number of other speaker's digits
#number of transient digits
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ###cmd="histmav1-onsei $x0 $ndiv $nmav ${fbr}_PPtrain.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                               ##### Likelihood P(c_i | p_G) for Probabilistic Prediction ##### Histgram by moving average of each class?
            ((CpG=="o")&&($1>=10)&&($1<20)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ###for sX_ in 0 1 2 3 4 5 6; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ###cp $tmp/hist.eps $fhe
####gv $fhe& #disp result
###cp $fhg.dat $tmp/histtmp.dat
                                                                                                                                                                                                                                                                                                                                                                                             4771 ###PDfiles="${PDfiles} ${fbr}"
4772 ###done #for sX_
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ###fhe=${d1}/hist-C${CpG}.eps
                                                                                                                                                      ##x0=0;ndiv=100;nmav=3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  $cmq
                                                                                                                              ##mp=10 #33-23
                                                                                                                                          ##mo=10 #20-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ###echo $cmq;
                           ###area2
                                                                                                                                                                                                                                                                                                                                                                                                                     PPtest.dat"
4770 ###s
                                                                                                                                                                                                                                                                                                                                                                                  Ptest.dat
                                                                                                                                                                                                                                                                                                                in.dat"
4768
4769
```

Level 1:for CpG in "p" "o" "r ; do 4816 #####f \$CpG = "p"]; then Ctg=0; ntest='expr 7 * 1000 * \${np}\'; fi #prompted 4817 ####f \$CpG = "p"]; then Ctg=1; ntest='expr 7 * 1000 * \${nt}\'; fi #transient 4818 ####f \$CpG = "v"]; then Ctg=2; ntest='expr 7 * 1000 * \${nt}\'; fi #transient 4819 ###fout=p6\$(CpG):cp \${a}\$/ 2/2 restlep_C\$(CpG)_Prest. dat \${fout}. output;# 4820 ####fout=p6\$(CpG):cp \${a}\$/ 3/2 resulto_C\$(CpG)_Prest. dat 4821 ####fout=C\$(CqG):rest. dav.null > \${fout}. land 4821 ###fout=C\$(CqG):rest. dav.null > \${fout}. land	4822 ####i=1:while [\$i -le \$ntest] :do echo "\${Ctgt}" >> \${ftgt}.target: if ['expr \$i \$ 1000' = "0"] ; then echo -n "."; fi; i='expr \$i + 1'; done	4823 ###mktarget \${Ctgt} \$ntest > \${ftgt}.target; 4824 ###mcharwes \${ttgt}.target \${ftqt}.carget forth.courputu".echo \$cmd;\$cmd check the number of lines in the files 4824 ###mcharwes \${fttgt}.target \${fttqt}.target o:\${fttqt}.target o:\${ftcut}.ucput vrh:0.5:0".echo -n "#\${cmd}# 4825 ###cmd="%\$d0/evalloss46p p:\${ftpdg}.dat t:\${fttqt}.target o:\${fcut}.carget o:\${cmd} which the files of the fil	<pre>itput >> \${foutall}.output; rrget >> \${fcgtall}.target; ###all</pre>	4828 ###done #for CpG	4839 ###Sm3="\$30/eva]]Oss48G 5:0":6250 Jat +:\${ftatal]} target 0:\${f0;tal}]} Oittoit vtb:0 5:0":6250 -b "#\$	4816 ####if [\$CPG = "u"]; then Ctgt=0; nt 4818 ###if [\$CPG = "u"]; then Ctgt=2; nt 4818 ###if [\$CPG = "u"]; then Ctgt=2; nt 4820 ###if [\$CPG = "u"]; then Ctgt=2; nt 4820 ###fetut=56(*Dg)*/cps/lps/lps/lps/lps/lps/lps/lps/lps/lps/l	<pre>cest='expr 7 * 1000 * \${np}'; fi #prompted cest='expr 7 * 1000 * \${nr}'; fi #transient cho \\$ {fout}.output:# cho "\${fout}, carget; fi { 'expr \$i \$ 1000 ' = " carget; carget o:\${fout}.output vth:0.5:0"; ccho -n "#\${ ttput: crget; ###all control output vth:0.5:0"; ccho -n "#\${ croset; ###all control output vth:0.5:0"; ccho -n "#\${ control output vth:0.5:0"; ccho -</pre>
---	---	---	--	-----------------------	---	---	---

to 1991. High flower, Naturo | 500.04.2037 | 0.870 | 1.157 | 370.000 #LAVE, LACE, LALD, LALD, D.C. Cated | 4843 #H## | Noner, Naturo | 500.04.2037 | 0.870 | 1.157 | 370.000 #LAVE, LACE, LALD, LALD, D.C. Cated | 4843 #H## | Noner, Naturo | 500.04.2015 | 0.2036 | 0.408 | 0.692 | 370.000 #LAVE, LACE, LALD, LALDD, D.C. Cated | 4843 #H## | Noner, Naturo | 500.04.2015 | 0.2036 | 0.408 | 0.692 | 370.000 #LAVE, LACE, LALD, LALDD, D.C. Cated | 4843 #H## | Noner, Naturo | 500.04.2015 | 0.2036 | 0.408 | 0.692 | 3.210000 #LAVE, LACE, LALD, LALDD, D.C. Cated | 4844 #H# | Noner, Naturo | 500.04/2015 | 0.2030 | 0.366 | 0.572 | 0.765 | 3.210000 #LAVE, LACE, LALD, LALDD, D.C. Cated | 4844 #H# | Noner, Naturo | 500.04/2015 | 0.2030 | 0.307 | 0.2030 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 | 0.2070 4837 ####evalloss4pG p:../result-speaker_search/ProbDistSpeaker.dat t:Ctgtall.target o:pGall.output vth:0 5:0##0.438 0.396 0.668 0.929 3 469000 #LAVE,LACE,LALP,LNLP,DDC ndata 4839 ###beta:0.5:0.1 for area3 SiCs="3"(unregistered) bad but best?
4840 ###hbome/kuro/sotu/2015/can2b/evalloss4pg p:../result-speaker_search/ProbbistSpeaker.dat t:CO.targe
4840 ####home/kuro/sotu/2015/can2b/evalloss4pg p:../result-speaker_search/ProbbistSpeaker.dat t:CO.targe
t o:pdp.output vth:0.5:0##0.002 0.009 0.439 0.445 3 70000 #LANE,LANE,LANE,LANED,nC ndata
4841 ###hAme/kuro/sotu/2015/can2b/evalloss4pg p:../result-speaker_search/ProbbistSpeaker.dat t:Cl.targe cmd]##":\$cmd 4830 ########### copy and paste to here for (1)

4867 ####/home/kuro/sotu/2015/can2b/evalloss4pG p:../result-speaker_search/ProbDistSpeaker.dat t:CO.targe t o:pGp.output vth:0.5:0##0.989 0.421 1.281 1.281 3 70000 #LAVE,LACE,LALE,LALE).AC data

readmecan2mspeech.txt

Page 71

```
4868 ####/home/kuro/sotu/2015/can2b/evalloss4pg p:./result-speaker_search/ProbbistSpeaker.dat t:Cl.targe t o:pgt.output vth:0.5:0##0.763 0.019 0.056 0.057 3 70000 #LAVE,LACE,LMLP,LMLPD,nC ndata 4686 ####/home/kuro/sotu/2015/can2b/evalloss4pg p:./result-speaker_search/ProbbistSpeaker.dat t:Cl.targe to:pGs.output vth:0.5:0##0.000 0.014 0.364 0.384 0.3 70000 #LAVE,LACE,LMLP,LMLPD,nC ndata 4870 ####/home/kuro/sotu/2015/can2b/evalloss4pg p:./result-speaker_search/ProbbistSpeaker.dat t:Cl.targe c:pGall.output vth:0.5:0##0.084 0.151 0.567 0.573 3.10000 #LAVE,LACE,LMLP,LMLPD,nC ndata 4871 ####/home/kuro/sotu/2015/can2b/evalloss4pg p:./result-speaker_search/ProbbistSpeaker.dat t:Cl.targe c:pGp.output vth:0.5:0##0.008 0.941 1.098 1.099 3.70000 #LAVE,LACE,LMLP,LMLPD,nC ndata t:Cl.targe c:pGp.output vth:0.5:0##0.008 0.941 1.098 1.099 3.70000 #LAVE,LACE,LMLP,LMLPD,nC ndata t:Cl.targe c:pGc.output vth:0.5:0##0.008 0.941 1.098 1.099 3.70000 #LAVE,LACE,LMLP,LMLPD,nC ndata t:Cl.targe c:pGc.output vth:0.5:0##0.000 0.005 0.195 0.200 3.70000 #LAVE,LACE,LMLP,LMLDD,nC ndata d:Cl.targe c:pGc.output vth:0.5:0##0.000 0.005 0.195 0.200 3.70000 #LAVE,LACE,LMLP,LMLDD,nC ndata d:Cl.targe c:pGall.output vth:0.5:0##0.000 0.005 0.195 0.200 3.70000 #LAVE,LACE,LACE,LMLP,LMLDD,nC ndata d:Cl.targe c:pGall.output vth:0.5:0##0.2015/can2b/evalloss4pg p:./result-speaker_search/ProbbistSpeaker.dat t:Cl.targe t:arget c:pGall.output vth:0.5:0##0.2015/can2b/evalloss4pg p:./result-speaker_search/ProbbistSpeaker.dat t:Cl.targe t:arget c:pGall.output vth:0.5:0##0.2015 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 0.105 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4877 ####/nome/kuro/sotu/10/5/can2D/evalloss4pd p:../result-speaker_search/ProbDistSpeaker.dat t:CO.targe t o:pdg.output vth:0.5:0###0.003 0.006 0.020 0.021 3 70000 #LAVE.LACE.LANLP.LANLP.DA.CE.TANLP.LANLP.DA.CE.TANLP.LANLP.DA.CE.TANLP.LANLP.DA.CE.TANLP.DA.CE.TANLP.LANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.DA.CE.TANLP.CE.TANLP.CE.TANLP.CE.TANLP.CE.TANLP.CE.TANLP.CE.TANLP.CE.TANLP.CE.TANLP.CE.TANLP.CE.TANLP.CE.TANLP.CE.TANLP.CE.TANLP.CE.TANLP.CE.TANLP.CE.TANLP.CE.TANLP.CE.TANLP.CE.TANLP.CE.TANLP.CE.TANLP.CE.TANLP.CE.TANLP.CE.TANL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ##41=../result-speaker_search; if [ ! -e $dl ]; then mkdir $dl;fi
##42=/media/sf_D_DRIVE/cdata/15iconip/20150917takeguchi/12voicedata_sakashita/12voicedata/allpole;d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        井
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  井
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            井
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              井
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                井
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4918 ###if [ "$d2sep" = """ ]; then #ytm:1:0.9:1000 or ytm:1:0.9:2000
4919 ###mad="$proffs:8[42]/oob4s-1-140(mbbas:300:1.6:10x5[48], y. 70005:1.0:0.1 ytm:1:0.9:1000 gib
bs:$gibbs beta:0.5:0.3 ver:-2 papad:$[pab].$[pab].AR:0:0:-1 tele:7:2000:$[cs]:0:20:100:20:2 sx:$sx sp:$sp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4922 ####for d2 for file_names with under-bar "_", not colon ":"
4923 ####for d2 for file_names with under-bar "_", not colon ":"
4923 ###med="sprof fs:$(43)/oob4d_-1N40mbas2_300_1.6_1sx$($xX).yr fst:$(42)/oob4d_-1N100mbas2_300_1.6_1sx$($xX).yr nSDD:17:10:10 pmin:0.01 yrm:1:0.9:1000 gibbs:$gibbs beta:1 ver:-2 papAd:${pas}:${pad} Lar:0:0:-1 test:5:
2000:${lcs}:$(1cs):$(1cs):$x(xsx spr$sp yoid:0:ycmd > dev/nnil
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4920 ####cmd="$prog fs:${d2}/oob4s:-1N40mbas2:300:1.6:1sX${sX}.y nSDL:7:10:10 pmin:0.01 ytm:1:0.9:1000 gi
ss:$gibbs beta:0.5:0.3 ver:-2 papad:${pas}:${pad} LaR:0:0:-1 test:77:2000:2:0:20:60:20:2 sX:$sX sP:$sP voi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ###SiCs="2"; #for 3:Unregistered, 2:Incorrect SiCs="0 3 2"; #for Correct, Unregistered, Incorrect
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #for only Correct speakers # SiCs="0"; #for only Correct speakers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ### for iCs in 0 0 0; do for iconip2015 with SD=D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ###d2=/media/sf_D_DRIVE/cdata/15iconip/20151005sakashita/;d2sep="_"
###d2=-/sotu/2015iconip/iconip_saigen/2012/12voicedata/a11pole;d2sep=":"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #for GEBI pApAd:pA:pAd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               pApAd:pA:pAd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ###fhg=$tmp/histSpeaker;cat /dev/null > $fhg.dat #Initialize
###if [ *$50 = "D" ) then
###if [ *$50 = "D" ) #for only Correct speakers # SiCs="0"; #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ###d2=../../2012/12voicedata/iconip14data/d2sep=":"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #for BI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ###tmp=./tmp;if [ ! -e $tmp ]; then mkdir $tmp;fi ###for gibbs in 1; do #for gibbs in 1 0; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ###for icd in 0; do #for icd in 0 1 2 3 4 5; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ###d2=~/sotu/2012/12voicedata/allpole;d2sep=":"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ######### copy and paste from here for (1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ./2012/12voicedata/allpole;d2sep=":
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ###cat $tmp/testsd_stat.dat >> resultsum.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ###echo "Exec $cmd";$cmd > /dev/null
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4910 ###fi
4911 ###for icd in 0; do #for
oopLevel3:for icd in 0;
4912 ###for ics in $Sics; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ###prog=speakerdigit_v6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            bbs:$gibbs beta:0.5:0.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   oopLevel4:for iCs $SiCs;
4913 ###cat /dev/nul
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ##201600131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ##make
```

###echo -e "\n" >> resultsum.dat ######### <== \$prog.c ,pG for speaker and digits ##psd.dat->psds ##foat \$tmp/psd.dat >> psdsum.dat ###psd.dat->psds #LoopLe #LoopL 4983 ###export sX_0='expr %sX_* 2000 * %nd` 4984 ###echo "sed -n -e \"'expr %{sX_0} + 1', expr %{sX_0} + 1000 * %nd`p\" \${fbr}.det >> \${fbr}_PPtra #Done:L 4987 ###sed -n -e "expr \${sX_0} + 1000 * \$nd + 1', expr \${sX_0} + 2000 * \$nd'p" \${fbr}.dat >> \${fbr}_P #done #done ###set term postscript.set output "\$fntpG.eps"; ###set term postscript.set output "\$fntpG.eps"; ###plot "resultsum.dat" using 1:2 w l lc rgb "blue" #####for BH is njsram ### to ### PH(phase) for w:prompted-word o:other-word, t:transient bH in "p" "" i do # PH(phase) for w:prompted-word o:other-word, t:transient or PH in "p" "o" "t" i do train and test ### if((PH="p")&&(\$1>=32)&&(\$1<33)| ### if(((PH="p")&&(\$1>=32)&&(\$1<33)| ### ((PH="t")&&(\$1=23)&&(\$1<23)|| ### ((PH="t")&&(\$1\$=10)&&(\$1>=40)&&(\$1>=40)&&(\$1>=40)&&(\$1>=40)&&(\$1>=10)&&(\$1> ###cmd="histmav1-onsei \$x0 \$ndiv \$nmav \${fbr}_Ptrain.dat" #####cmd="gv \$fntpg.eps"; echo "Exec \$cmd."; \$cmd& ###plot "psdsum.dat" using 1:3 #####set term postscript;set output "\$fntpG.eps"; #####plot "psdsum.dat" using 1:3 w d 4933 ###done #for gibbs in 1; do #for gibbs in 1 0; do ##### Histgram by moving average of each class? ###cmd="gv \$fntpG.eps"; echo "Exec \$cmd."; \$cmd& #LoopLevel2:for gibbs 4934 ###done #for SD in "S"; do # SD="S"; SD="D"; ###done #for sX excluded speaker ###PPfiles="\${PPfiles} \${fbr}" JoopLeve4:for sx_ in 0 1 2 3 4 5 6; 4990 ##### Histgram by moving a #####fntpG="tmp/tpGall" ###x0=0;ndiv=100;nmav=3 ###fntpG="tmp/t-pGmean" ####show the t-pG #####gnuplot <<EOF ###gnuplot <<EOF 4989 ###done #for sX_ #LoopLevell:for SD 4985 ###sed -n -e ####dait ######### ###echo ###dait vel 3:for PH Ptest.dat in.dat" 4988 4936 4957 4958 4959 4960 4986 4929 4935

###fhe=\${d1}/hist-C\${PH}.eps

Dec 05 2019 13:52:41

Dec 05 2019 13:52:41

```
[ $dipps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             is bad
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            p="""
5104
5106
5106
5106
5106
5108
5111
5111
5112
5113
5114
5112
5115
5115
5115
5115
5116
5117
5117
5118
5117
5118
5118
51118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5087
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5092
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5091
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5086
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5102
                                                           5050 ####/home/Kuro/sotu/2015/can2b/evalloss4pG p:../result-speaker_search/ProbDistSpeaker.dat t:CO.targe t o:pgp.output vth:0.5:0##1.000 1.786 4.595 3 70000 #LANE.LANE.LANE.LANE.D.C mdata 5501 ####/home/Kuro/sotu/2015/can2b/evalloss4pG p:../result-speaker_search/ProbDistSpeaker.dat t:Cl.targe t o:pgc.output vth:0.5:0##0.000 0.995 1.775 1.796 3 70000 #LANE.LANE.MLP.LANE.D.C mdata 552 ####/home/Kuro/sotu/2015/can2b/evalloss4pG p:../result-speaker_search/ProbDistSpeaker.dat t:Cl.targe t o:pgG.output vth:0.5:0##0.000 0.095 1.775 1.796 3 70000 #LANE.LANE.MLP.LANE.D.C mdata 1:Cl.targe t o:pgG.output vth:0.5:0##0.000 0.005 0.195 0.200 3 70000 #LANE.LANE.LANE.D.C mdata 1:Cl.targe t o:pgGl.loutput vth:0.5:0##0.000 0.005 0.195 0.200 3 70000 #LANE.LANE.LANE.LANE.D.D.C mdata 1:Cl.targe c o:pgGl.loutput vth:0.5:0##0.000 0.005 0.195 0.200 3 70000 #LANE.LANE.Search/ProbDistSpeaker.dat t:Ctgtall.target o:pgGl.loutput vth:0.5:0##0.000 0.005 0.195 0.200 0.005 0.197 3 210000 #LANE.LANE.LANE.LANE.LANE.D.C.C.D.C mdata 1:Ctgtall.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5057 ####/home/kuro/sotu/2015/can2b/evalloss4pG p:../result-speaker_search/ProbDistSpeaker.dat t:C2.targe t o:pGo.output vth:0.5:0##0.000 0.005 0.148 0.153 3 70000 #LAYE, LACE,LMLP.LNLPD.nC ndata 5058 ####home/kuro/sotu/2015/can2b/evalloss4pG p:../result-speaker_search/ProbDistSpeaker.dat t:Ctgtall.targe to:pGall.output vth:0.5:0##0.333 0.667 1.419 2.274 3 210000 #LAVE,LACE,LNLP,LNLPD,nC ndata 5059 ####beta:0.5:0.4
                                                         ###cat tmp/hist.dat |awk '{print $3}'> tmp/hist3.dat;paste $tmp/histtmp.dat tmp/hist3.dat > $fhg.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ###cmd="$d0/evalloss4pg p:${fpdg}.dat t:${ftgtall}.target o:${foutall}.output vth:0.5:0";echo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5055 ####/home/kuro/sotu/2015/can2b/evalloss4pG p:../result-speaker_search/ProbDistSpeaker.dat to:pgb_curbut vth:0.5:0##1.000 1.000 2.060 4.596 3 70000 #LAVB, LAGE_LMID_LMID_D,C nodata 5.056 ####/home/kuro/socuu_2015/can2b/evalloss4pG p:../result-speaker_search/ProbDistSpeaker.dat to:pGc_curput vth:0.5:0##0.000 0.995 2.049 2.072 3 70000 #LAVB, LACE_LMID_LNIDD_NC nodata
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ###cat ${fout}.output >> ${foutall}.output;
###cat ${ftgt}.target >> ${ftgtall}.target; ###all
                  ###gv $fhe& #disp result
###cp $fhg.dat $tmp/histtmp.dat
$fhe
###cp $tmp/hist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ###done #for PH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5046 ###donc
5047 ###cmd:
{cmd}##";$cmd
5048 #####
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5045
```

####/home/kuro/sotu/2015/can2b/evalloss4pg p:../result-speaker_search/ProbDistSpeaker.dat t:CO.targe

readmecan2mspeech.txt

5000 #####.home/kuro/sotu/2015/can2b/evalloss4pg p:../result-speaker_search/ProbDistSpeaker.dat t:CO.targe to:pdg.output vth:0.5:941.000 2.059 4.588 3 7000 #LAND_LACE_LIMLPD_LAC ndata 5.059 4.588 3 7000 #LAND_LACE_LIMLPD_LACE_DIAND_LACE_LIMLPD_LA 5082 ###20160125 speakerdigit_v6.c from here
5083 ###speakerdigit_v6.c for speaker-retrieval
5083 ###speakerdigit_v6.f for speaker-retrieval
7:10:10 pmin:0.01 ytm:1:0.9:100/min:0.01 ytm:1:0.0:100/min:0.01 ytm:1:0.0:10 yt #[b] gibbs:1:0.2:0=(gibbs:0 beta:0.2)=(gibbs:1 beta:0.2:0) is better than [a], p^0.2
#[c] gibbs:1:0.1:0=(gibbs:0 beta:0.1)=(gibbs:1 beta:0.1:0) is better than [a] near to [b]?
#[d] gibbs:1:0.05:0=(gibbs:0 beta:0.05)=(gibbs:1 beta:0.05:0) is better than [b]-[c] ;areas of corre 5089 20160125 speakerdigit_v6.c for speaker search 5090 #[a] gibbs:1:1:0=(gibbs:0 beta:1)=(gibbs:1 beta:1:0) is conventional BI (Bayes Inference); resul d2=/media/sf_DRIVE/cdata/15iconip/20150917takeguchi/12voicedata_sakashita/12voicedata/al1pole:d2se t:C2.targe ./result-speaker_search/ProbDistSpeaker.dat t:C1.targe t:Ctgtall. to oper court with the control court of the #for only Correct speakers o:pGp.output vth:0.5:0##1.000 1.000 1.456 4.596 3 70000 #LAVB.LACB.LNLP.LNLPD.nC ndata 5061 ####/home/kuro/sotu/2015/can2b/evalloss4pG p:../result-speaker_search/ProbDistSpe d2=~/sotu/2015iconip/iconip_saigen/2012/12voicedata/allpole;d2sep=":" d2=/media/sf_D_DRIVE/cdata/15iconip/20151005sakashita/;d2sep="_" fhg=\$tmp/histG\${gibbs}\${SD};cat /dev/null > \$fhg.dat #Initialize #dl=../result-onsei_iCsiCd; if [! -e \$dl]; then mkdir \$dl;fi #for GEBI pApAd:pA:pAd "] ; then #for only Correct speakers # SiCs="0"; d2=../../2012/12voicedata/iconip14data;d2sep=":" #for BI SiCs4D="0";#SiCs4D="0 3 2"; for SD in "s" "p"; do # SD="s"; SD="p"; trp=-,/tmp:if [1 -e \$tmp]; then mkdir \$tmp:fi for gibbs in 1 0; do d2=~/sotu/2012/12voicedata/allpole;d2sep=":" d2=../../2012/12voicedata/allpole;d2sep=":" SiCs="0 3 2"; #for Correct, Unregistered, pAs=0.80;pAd=0.96;T=5;TT=15;gibbs=1; pAs=0.99;pAd=0.80;T=5;TT=15;gibbs=0;]; then <u>"</u> if ["\$SD" = "] SiCs=\$SiCs4D;

Dec 05 2019 13:52:41

```
um/psum);}' >> $fpdg.dat
5197 else
                                                                                                                                                                                                                                                   Do).dat : fi ##psdsum.dat ->fb0 for digits
5154 if ("$SD" = "s") ! then cat pasdsum.dat|awk 'BEGIN{t=ENVIRON["t"];}{if($l==t){print $3,$0;}}' >> ${f}
50.dat : fi ##psdsum.dat ->fb0 for speakers
5155 #cat psdsum.dat|awk 'BEGIN{t=ENVIRON["t"];}{if($l==t){print $3,$0;}}' >> ${fb0}.dat ##psdsum.dat -
>fb0 for speakers
5156 cmdi="cp8 ${fb0}.dat ${fbr}.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5135 #for d2 for file_names with under-bar "_", not colon ":" 5136 cmd="$prog fs:${d2}/oob4d_-1M100mbas2_300_1.6_1sX${sX}}.
9 nSDL:71.01.0 pmin:0.01 ytm:1:0.9:1000 gibbs:$gibbs beta:1 ver:-2 pApAd:${pAa}:${pAa} LAR:0:0:-1 test:5:200 05;1cs}:${1000} pmin:0.01 ytm:1:0.9:1000 gibbs:$gibbs beta:1 ver:-2 pApAd:${pAa} tilest:5:200 05;1cs}:$ficel:$T:$TT SX:$SX SP:$SP void:0";$cmd > /dev/null 5137 filest:5:200 05;1cs}:$ficel:$T papad:$ficel:$T papad:$T papad:$ficel:$T papad:$ficel:$T papad:$ficel:$T papad:$T papad
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    fb0=t-pos{[t]${SD}
fbr=${d1}\resultp_ics${iCs}icd${iCd}${gibbs}_s{fb0}
fbr=${d1}\resultp_ics${fb0}.dat
act /dev/null > ${fb0}.dat
act /dev/null > ${fb0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            sed -n -e "'expr ${8X_1000} + 1','expr ${8X_1000} + 1000'p" ${fbr}.dat >> ${fbr}.PPtrain.dat echo "sed -n -e \"'expr ${8X_1000} + 1001','expr ${8X_1000} + 2000'p\" ${fbr}.dat >> ${fbr}._PPtest.d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5190 fpdg=$d1/ProbDistG${gibbs}${SD}
5191 cp $fbq.dat $tmp/histtmp.dat;cat tmp/hist.dat |awk '{print $1}'> tmp/hist1.dat >paste $tmp/histtmp.da
t tmp/hist1.dat > $fbq.dat ###
5192 cat /dev/null > $fpdq.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       echo "Exec %cmd";%cmd > /dev/null
act %tmp/psd.dat >> resultsum.dat
cho -e "\n" >> resultsum.dat ########### <== %prog.c ,pg for speaker and digits ##psd.dat->psdsum.
act %tmp/psd.dat >> psdsum.dat ########## <== %prog.c ,pg for speaker and digits ##psd.dat->psdsum.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cat tmp/hist.dat |awk '{print $3}' > tmp/hist3.dat,paste $tmp/histtmp.dat tmp/hist3.dat > $fhg.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   sed -n -e "'expr ${sX_1000} + 1001', expr ${sX_1000} + 2000'p" ${fbr}.dat >> ${fbr}_PPtest.dat PPfiles="${Ppfiles} ${fbr}.
cat /dev/null > resultsum.dat
act /dev/null > psdsum.dat
cat /dev/null > psdsum.dat
for sX in 0 1 2 3 4 5 6 7 do sP=-1;
test=test:5:2000:${ics}:ics}:${icd}:5:15; #test:test->id:test->riCs:test->r_iCd:th->T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        # Probability P(c_i|p_G) for Probabilistic Prediction (fpdg=$d1/ProbDistG${gibbs}${SD})
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cmd="histmav1-onsei $x0 $ndiv $nmav ${fbr}_PPtrain.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #paste $tmp/histtmp.dat tmp/hist.dat > $fhg.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              fhe=${d1}/hist-iCs${iCs}iCd${icd}G${gibbs}.eps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ####################################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ##check#export t=15;fb0=t-pG${t}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               done #for sX excluded speaker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cp $fhg.dat $tmp/histtmp.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #####################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   op $tmp/hist.eps $fhe
#gv $fhe& #disp result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ###########################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       x0=0; ndiv=100; nmav=3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 $ cmg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 done # for iCs
done # for iCd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5144
](pgs),
5145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               at"
5166
5167
at"
5168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5159
5160
5161
5162
5163
5164
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

```
Sign are term posteoripriser output "Styda.eps'replot
2211 quit cerege
2212 and verges [0.13]; see atyle data boxes; seet style data histeps
2212 and verges [0.13]; see atyle fall boxdes | cgb bhack |
2213 polic "Styde [1] acid boxdes | cgb bhack |
2214 quality |
2215 and verges [0.13]; see atyle fall boxdes | cgb bhack |
2215 and verges |
2216 and verges |
2217 and verges |
2218 polic "Styde |
2218 polic "Styde |
2219 polic "Styde |
2219 polic "Styde |
2220 |
2221 |
2221 |
2222 |
2222 |
2223 |
2224 |
2224 |
2224 |
2224 |
2225 |
2224 |
2225 |
2225 |
2226 |
2227 |
2227 |
2227 |
2227 |
2228 |
2228 |
2228 |
2228 |
2228 |
2229 |
2229 |
2220 |
2221 |
2221 |
2221 |
2221 |
2222 |
2222 |
2222 |
2223 |
2224 |
2224 |
2224 |
2225 |
2226 |
2227 |
2227 |
2227 |
2227 |
2228 |
2228 |
2228 |
2228 |
2228 |
2229 |
2229 |
2220 |
2221 |
2221 |
2221 |
2221 |
2222 |
2222 |
2223 |
2224 |
2224 |
2224 |
2224 |
2225 |
2225 |
2226 |
2227 |
2227 |
2227 |
2228 |
2228 |
2228 |
2228 |
2228 |
2228 |
2229 |
2229 |
2220 |
2220 |
2220 |
2220 |
2221 |
2221 |
2221 |
2222 |
2222 |
2223 |
2224 |
2224 |
2224 |
2225 |
2225 |
2225 |
2226 |
2227 |
2227 |
2227 |
2228 |
2228 |
2228 |
2228 |
2228 |
2228 |
2229 |
2220 |
2220 |
2220 |
2220 |
2221 |
2221 |
2221 |
2221 |
2222 |
2222 |
2223 |
2224 |
2224 |
2224 |
2225 |
2225 |
2226 |
2227 |
2227 |
2227 |
2228 |
2228 |
2228 |
2228 |
2228 |
2229 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
2220 |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5208 set term tgif/set output "$fpdg.obj".
5209 plot "$fpdg dat" using 1:(\$2*\$4\\$5+\$6+\$5+\$6+\$7) lc rgb "black" t "5/5", "" using 1:(\$3*\$4+\$5+\$6+\$7) lc rgb "black" t "3/5", "" using 1:(\$5+\$6+\$7) lc rgb "blue" t "3/5", "" using 1:(\$6+\$7) lc rgb "plue" t "2/5", "" using 1:(\$6+\$7) lc rgb "plue" t "2/5", "" using 1:(\$6+\$7) lc rgb "plue" t "1/5", "" using 1:(\$6+\$7) lc rgb "pink" t "0/5" 5210 set term postscript/set output "$fpdg.eps";replot
                                                                                                               5196 cat $fing.dat awk '{posum=$1.plsum=$2.p2sum=$3.p2sum=$4.p4sum=$5.p5sum=$6.psum=p0sum+p1sum+p2sum+p3su m+p4sum+p5sum+p5sum;ppsum,p4sum,p4sum,p5sum,p4sum,p5sum,p4sum,p5sum,p5sum,p4sum,p5sum,p5sum,p4sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum,p5sum
                                                                                                                                                                                                                                                                                                                                                      5198 cat $fhg.dat|awk '{posum=$1+$2+$3;plsum=$4+$5+$6:p2sum=$7+$8+$9:p3sum=$10+$11+$12;p4sum=$13+$14+$15;
25198 cat $17+$418;paum=posum+p1sum-p2sum-p2sum-p5sum-p5sum-p1sum-p5sum,p2sum,p2sum,p3sum,p3sum,p3sum,p3sum,p3sum,p4sum,p5sum,p5sum,p1;' >> $fpdg.dat
if [ "$SD" = "D" ]; then #for 3=number of iCs candidates
if [ "$SICs4D" = "0" ]; then
```

```
5310 # forc check UnReg error.
5310 # for check UnReg error.
5311 # for check UnReg error.
5311 # for check UnReg error.
5311 # al. (b=200)x=44(); fast=2, fast=3; fas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5303 #cmd='oob4speakerdigit+sX sp:fhs:fms:mkk:mko:mmt:mmh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyn txx:ilo k:i5 Mass:2;8[b];8[4]:1 dir.../../2012/12Voicedata/allpole s:-1 N;8[h] sxx;8[sx]*
5304 #cmd='oob4speakerdigit+sX sp:fhs:fms:mkk:mko:mm:mmh:mym tx:zero:rei:ichi:ni:san:yon:si:go:roku:nana:sichi:hachi:kyu:ku ntxi:10 k:36 mbas:2:8[b];8[a]:1 dir:../../2012/12voicedata/allpole s:-1 N:8[N] sx:s[sx]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    done #for iCs
cmd="$d0/evalloss4pg p:${fpdg}.dat t:${ftgtall}.target o:${foutall}.output vth:$pGth:$cth"; echo -n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2011202
(Modespeakerdigit+sX.cの出力フィル名を
(用)../../2012/12voicedata/allpole/oob4s:-IN${N}mbas2:${D}:${a}:1sX${sX}.ystat
(新)../../2012/12voicedata/allpole/oob4s:-IN${N}mbas2:${b}:${a}:1sX${sX}nS${nS}nD${nD}.ystat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ../2012/12voicedata/allpole/cob4s:-10\$\{N\}mbas2:\$\{b\}:\$\{a\}:1sx\$\{sx\}\}\{sIDR\}.ystat
cmd="$d0/evalloss4pg p:${fpdg}.dat t:${ftgt}.target o:${fout}.output vth:$pGth:$Cth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             zero:rei:ichi:ni:san:yon:si:go:roku:nana:sichi:hachi:kyu:ku
zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu:rei:si:sichi:ku
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (1) tune a,b,N via checking error for sX of speaker-CAN2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (2) tune a,b,N via checking error for sX of digit-CAN2 \#see\ 2013/02/27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IDR="_B";#ID to discriminate the Result IDR="_A";#ID to discriminate the Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             IDR="_B";#ID to discriminate the Result IDR="_A";#ID to discriminate the Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      for sX in -1 0 1 2 3 4 5 6; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      a=1.6;b=300;N=40;IDR="A"
                                        -n "#$cmd ##";$cmd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (新) ../../2012/12vo:
のようにした?
see 20140502 at mesaho
                a=1.6;b=300;N=100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              echo $cmdl;$cmdl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cmdl="cat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5322
5323
5324
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5307
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5320
```

Dec 05 2019 13:52:41 readmecan2mspeech.txt

354 speakerdigit で fd //home/kurco/sotu/2012/2016/cob4d:-INIOOmbas2:300:1.6:1eXO.y nSDL:7: 10.10 pmin.0.01 yrmi.1.0:1.000 jbbs:1 beta:1 adp:0:0:1.2:3:4:5:6:7:8:9 lT:1 adT:0:0:1.2:3:4:5:6:7:8:9 ver:-2 pApAdio.001 yrmi.10.9:1.000 jbbs:1 beta:1 adp:0:0:1:2:3:4:5:6:7:8:9 lT:1 adT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 pApAdio.001 yrmi.10.9:1.000 jbbs:1 beta:1 adp:0:0:1:2:3:4:5:6:7:8:9 ver:-3 pApAdio.001 yrmi.10.9:1.000 jbbs:1 beta:1 adp:0:0:1:1 adv:0:0:0:1:1 adv:0:0:1:1 adv:0:0:1 adv:0:0:0:1 adv:0:0:1 a $5330 \quad \text{cmd-"oob4speakerdigit+sX sp:fhs:fms:mkk:mko:mmt:mnh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu:rei:si:sichi:ku ntxi:10 k:36 mbas:2:<math>\{b\}: \{a\}: \text{dir}.../.../2012/12voicedata/allpole d:-1 N: \{N\} sX:\$sX IDR yu:rei:si:sichi:ku ntxi:10 k:36 mbas:2:<math>\{b\}: \{a\}: \text{dir}.../.../2012/12voicedata/allpole d:-1 N: \{N\} sX:\$sX IDR yu:rei:si:sichi:ku ntxi:10 k:36 mbas:2:<math>\{b\}: \{a\}: \text{dir}.../.../2012/12voicedata/allpole d:-1 N: \{N\}: \text{dir}.../.../2012/12voicedata/allpole d:-1 N: \{N$ $: sichi: hachi: kyu: ku ntxi: 10 k: 36 mbas: 2: \$\{b\}: \$\{a\}: 1 \ dir:../../2012/12 voicedata/allpole \ d:-1 N: \$\{N\}: sx: \$sx \ ID ntxi: n$ 5335 # for check UnReg error 5336 a=1.6. for soluble 10.1 2 3 4 5 6; do speakerdigit v5 fd:../../2012/12voicedata/ 6336 a=1.6. fb=230.0*a=10.0 #dlc=../result-onsei_icsicd_d; #dlc=../result-onsei_icsicd_d; d#a=../result-onsei_cdsid;if [! -e \$dl]; then mkdir \$dl;fi d#a=../result_onsei_cdsid;if [! -e \$dl]; then mkdir \$dl;fi TWO 990 ERI.055e-05 n13720(All)
#Al.6530NN100 #TPD:992 ER6.284e-06 n11760(Reg) TPO.579 TWO.977 ER2.268e-04 n1960(UnReg:sX2)
#al.6530NN100 #TPD:998 ER5.73le-06 n11760(Reg) TPO.450 TWO.993 ER2.893e-04 n1960(UnReg:sX3)
TWO.993 ER7.562e-06 n13720(All) #al.6b300N100 #TP0.937 TN0 995 ER5.755e-06 n11760(Reg) TP0.393 TN0.974 ER3.232e-04 n1960(UnReg:sX4)
TW0.992 ER8.159e-06 n13720(All)
#al.6b300N100 #TP0.995 PR4.828e-06 n11760(Reg) TP0.671 TN0.990 ER1.730e-04 n1960(UnReg:sX5)
TNO.995 ER5.486e-06 n13720(All)
#al.6b300N100 #TP0.952 TN0.997 ER4.337e-06 n11760(Reg) TP0.386 TN0.972 ER3.277e-04 n1960(UnReg:sX5) #al.6b300N100 #TP0.936 TN0.995 ER5.895e-06 n11760(Reg) TP0.257 TN0.960 ER3.995e-04 n1960(UnReg:sX1) http://kurolab.cntl.kyutech.ac.jp/-kuro/sotu/2015/15iconip/iconipl5speech+.pdf のrig.3やrabielの結果と違う 原因1:ICONIP2015の数字分類の結果は、正解話者のみについて行ったもの。 (下のスクリプトで31Cs4D='0")としたもの) 原因2:コンパイルの結果の実行可能ファイルspeakerdigit_v5が、坂下君と黒木のPCで違う(PC,ホスト ./2012/12voicedata/allpole/oob4d:-1N\${N}mbas2:\${b}::\${a}:1sx\${sx}\$\$ {IDR}.ystat" 08.コンパイラ等の進い?)。 5371 → 女 ff af D pcでコンパイルした speakerdight_v5を使って下の実験をした結果、 5372 まった(同じではないが、ほぼ同じ値の傾向をもつ結果が得られた? 5372 (0-2)以下の(1),(2-1),(2-2),(2-3)は実行例を示す。 d2=~/sotu/2015iconip/iconip_saigen/2012/12voicedata/allpole;d2sep=":" d2=../../2012/12voicedata/iconip14data;d2sep=":" dl=../result-onsei_iCsiCd_saka; if [! -e \$dl]; then mkdir \$dl;fi #(1) 数学 main 語者 combined by kuro from the scripts by Sakashita #iCs=0;iCd=0; # test correct (registered) speaker #iCs=1;iCd=0; # test incorrect registered and unregistered aX #iCs=3;iCd=0; # test (incorrect) unregistered sx #iCs=2;iCd=0; # test incorrect registered 20151027<-20151016 (1) 坂下君の Pcでコンパイルしたものは、第生した乱数が黒木のものと違う。 zmtrandを使い、seeも設定しているのに違うのはおかしい! 確認は坂下君と黒木の Pcで実行しながら比べるしかない? d2=/media/sf_D_DRIVE/cdata/15iconip/20151005sakashita/;d2sep="_ d2=../../2012/12voicedata/allpole;d2sep=":"
d2=-/sotu/2012/12voicedata/allpole;d2sep=":"
SiCs4D="0";#SiCs4D="0 3 2"; ######copy and paste from here for (1) (0-1) 坂下君が求めたICONIP2015の論文 TN0.990 ER1.044e-05 n13720(All) TN0.993 ER7.312e-06 n13720(All) #################### ################### cmdl="cat ../../2 echo \$cmdl;\$cmdl echo \$cmd;\$cmd TPO.865 5340 TPO.889 TPO.903 TPO.896 TPO.896 TPO.930 TPO.930 TPO.930 TP0.867 R:_B" 5330 5332 5333 5334 5335 5348 5349 5350 5351 5363 5365 5366 5367 P=""=" 5387 5388 5389 5390 5391 5392 5392 5331 5352

"D"=US ! "S"=US

```
op $fhg.dat $tmp/histtmp.dat cat tmp/hist3.dat;paste $tmp/histtmp.dat tmp/hist3.dat > $fhg.dat
                                                                                                                                                                                                                                                                                                                                   #########################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              tmp/histl.dat > $fhg.dat ###
5473 cat /dev/null > $fman a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                um/psum);}' >> $fpdg.dat
5478 else
                                                                                                                                                                                                                                                                                                                                                                                                       done # for iCs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ####
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5528 for
5529 if [
threshold
5530 fout
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5414 if "$d2sep" = ":" ]; then #ytm:1:0.9:1000 or ytm:1:0.9:2000
5415 cmd="speakerdigit_v5 fs:${d2}/cob4s:-IN40mbas2:300:1.6:1sXs{sX}.y fd:${d2}/cob4d:-IN100mbas2:300:1.6:1sXs{sX}.y fd:${d2}/cob4d:-IN100mbas2:1.0:1sXs{sX}.y fd:${d2}/cob4d:-IN100mbas2:1.0:1sXs{sX}.y fd:${d2}/cob4d:-IN100mbas2:1.0:1sXs{sX}.y fd:${d2}/cob4d:-IN100mbas2:1.0:1sXs{sX}.y fd:${d2}/cob4d:-IN100mbas2:1.0:1sXs{sX}.y fd:${d2}/cob4d:-IN100mbas2:1.0:1sXs{sX}.y fd:${d2}/cob4d:-IN100mbas2:1.0:1sXs{sX}.y fd:${d2}/cob4d:-IN100mbas2:1.0:1sXs{sX}.y fd:${d2}/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 bb).dat; fi ##pedsum.dat ->fb0 for digits
5435 if [ %5D" = "S" ]; then cat psdsum.dat|awk 'BEGIN{t=ENVIRON['t"];}{if(%1=t){print $3,$0;}}' >> %{I
bb).dat; fi ##pedsum.dat ->fb0 for speakers
5436 #cat psdsum.dat |awk 'BEGIN{t=ENVIRON['t"];}{if(%1=t){print $3,$0;}}' >> %{fb0}.dat digits
5436 #cat psdsum.dat |awk 'BEGIN{t=ENVIRON['t"];}{if(%1=t){print $3,$0;}}' >> %{fb0}.dat ##psdsum.dat |akpsdsum.dat |akpsd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ##check#export t=15;fb0=t-pG${t}
##check#export t=15;fb0=t-pG${t}
#arheck#export ${10.5}$furs11cs${i.cs}i.ds${i.cs}i.dd${i.cd}$g${gibbs}-${fb0}$
cat /dev/null > ${fbr}_PPrest.dat ##PP:Probabilistic Prediction
cat /dev/null > ${fbr}_PPrest.dat
cat /dev/null > ${fbr}_PPrest.dat
cat /dev/null > ${fbr}_PPrest.dat
cat /dev/null > ${fbr}_PPrest.dat
export $x,1000=*expr $sx_ \* 2000*
echo "sed -n -e \".*expr ${sx_1000} + 1', `expr ${ex_1000} + 1000`p\" ${fbr}_PPtrain.d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5417 #for d2 for file_names with under-bar "_", not colon ":"
5418 cmd="speakerdigit_v5 fs:${d2}\cob4s_-IN40mbas2_300_1.6_1sx${sX}\.y fd:${d2}\cob4d_-IN100mbas2_300_1.6_
-lsx${sx}\.y msDir:7:10:10 pmin:0.01 ytm:1:0.9:1000 gibbs:$gibbs beta:1 sdp:0:0:1:2:3:4:5:6:7:89 1T:1 sdT:0:0:
6:1:2:3:4:5:6:7:89 ver:-2 papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${papad:${pap
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         sed -n -e "'expr ${8X_1000} + 1', 'expr ${8X_1000} + 1000'p" ${fbr}.dat >> ${fbr}.PPtrain.dat echo "sed -n -e \"'expr ${8X_1000} + 1001', 'expr ${8X_1000} + 2000'p\" ${fbr}.dat >> ${fbr}.PPtest.d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ##########
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cat $tmp/psd.dat >> psdsum.dat ######## <== speakerdigit_v5.c ,pG for speaker and digits ##psd.da
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              if [ "\$5D" = "D" ]; then cat psdsum.dat|awk 'BEGIN{t=ENVIRON["t"];}{if(\$1=t)}\{if(\$1=t)}\}' >> \$\{f(\$1=t)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            -n -e ".expr ${sx_1000} + 1001', expr ${sx_1000} + 2000'p" ${fbr}.dat >> ${fbr}_Ptest.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cat /dev/null > psdsum.dat
cat /dev/null > psdsum.dat
testereen: 5.200 (3.54 ps | stid): 1.15; #test:test->id:test->n:test->riCs:test->r_idd:th->T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #for only Correct speakers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                for icd in 0 1 2 3 4 5; do #############>>
for ics in $SiCs; do ### for ics in 0 0 0; do for iconip2015 with SD=D and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               fhg=$tmp/histG${gibbs}${SD};cat /dev/null > $fhg.dat #Initialize
                                                                                                                                                                                                                                                                       #for GEBI papad:pa:pad
                                                                                                                                                                                                                                                                                                                                                                                                       #for BI pApAd:pA:pAd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "]; then
#for only Correct speakers # SiCs="0";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cmd="histmav1-onse1 $x0 $ndiv $nmav ${fbr}_PPtrain.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               export t=15;
fb0=t-pG${t};${SD}
fbz=${d}//reatles${ics}icd${icd}G${gibbs}_${fbo}$
ext /dev/mull > ${fb0}, dat
#echo "#pGc,t,n,pGc,pGcd" >> ${fb0}.dat #???
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SiCs="0 3 2"; #for Correct, Unregistered, Incorrect
                                                                           $tmp ]; then mkdir $tmp;fi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     echo $cmd; $cmd
fhe=${d1}/hist-iCs${iCd}{iCd}G${gibbs}.eps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cat $tmp/testsd_stat.dat >> resultsum.dat
                                                                                                                                                                                                   if [ $gibbs -eq 1 ]; then
pas=0.80;pad=0.96;T=5;TT=15;gibbs=1;
                                                                                                                                                                                                                                                                                                                                                                                               pAs=0.99;pAd=0.80;T=5;TT=15;gibbs=0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ####################################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cmd1="cp ${fb0}.dat ${fbr}.dat"
echo $cmd1;$cmd1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ### Histgram by moving average
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cat /dev/null > resultsum.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              echo -e "\n" >> resultsum.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          done #for sX excluded speaker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    sed -n -e "`expr ${sx_1000
PPfiles="${PPfiles} ${fbr}
for SD in "S" "D"; do #
tmp=./tmp;if [ ! -e $tmp
for gibbs in 1 0; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #########################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cp $tmp/hist.eps $fhe
#gv $fhe& #disp result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            x0=0;ndiv=100;nmav=3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   if [ "$SD" = "I
SiCs=$SiCs4D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          :0";$cmd > /dev/null
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             t->psdsum.dat
5423 done #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    else
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5440
5441
5442
5442
5444
5444
3445
at"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (pgs),
5426
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5447
5448
at"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           5428
5429
5430
5431
5432
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5425
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           5437
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       5438
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5439
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

```
- style data histops
- style data histops
- style data histops
- cryptopic [-1/5, -1, 084/85-78-47] lc rgb black; t "3/5, -1 using 11(\),
- coupter 'ffidd.cps'' replice [-1/5, -1, 084/85-78-47] lc rgb black; t "3/5, -1 using 11(\),
- coupter 'ffidd.cps'' replice [-1/5, -1, 084/85-78-47] lc rgb black; t "3/5, -1 using 11(\),
- coupter 'ffidd.cps'' replice [-1/5, -1, 084/85-78-47] lc rgb black; t "3/5, -1 using 11(\),
- coupter 'ffidd.cps'' replice [-1/5, -1, 084/85-78-47] lc rgb black;
- see Park All List old books less the replice [-1/5, -1, 084/85-78-47] lc rgb black;
- see Park All List old books less the place [-1/5, -1, 084/85-78-47] lc rgb black;
- see Park All List old books less the place [-1/5, -1, 084/85-78-47] lc rgb black;
- see Park All List old books less the place [-1/5, -1, 084/85-78-47] lc rgb black;
- see Park All List old books less the place [-1/5, -1, 084/85-78-47] lc rgb black;
- see Park All List old books less the place [-1/5, -1, 084/85-78-47] lc rgb black;
- see Park All List old books less the place [-1/5, -1, 084/85-78-47] lc rgb black;
- see Park All List old black;
- see
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5475 if [ %$LGaPu = "D" ]; then #for 3=number of iCs candidates
5476 if [ %$LGaPu = "D" ]; then
5477 cat $faPu = "D" ]; then
5477 cat $faPu = "d" |; then
5477 cat $faPu = "d" |; then
6477 cat $faPu = "d" |; then
6477 cat $faPu = "d" |; pusum=$1; pusum=$2; pusum=$3; pusum=$4; pusum=$5; pusum=$6; pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusum=pusu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5479 cat $fhg.dat|awk '{p0sum=$1+$2+$3.p1sum=$4+$5+$6.p2sum=$7+$8+$9.p3sum=$10+$11+$12.p4sum=$13+$144$15.p5sum=$16+$17+$18.psum=p0sum+p1sum+p2sum+p3sum+p4sum+p5sum,print(""%e %e %e %e %e %e %e %n",$19, p0sum/psum,p1sum,p2sum/psum,p2sum/psum,p3sum/psum);}' >> $fpdg.dat 5480 fi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    for gibbs in 1 0; do
if [ $gibbs = "1" ]; then pGth=0.80; else pGth=0.99; fi; ## threshold for LAVE in verification using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                fpdg=$d1/ProbDistG${gibbs}${SD}
op $fhg.dat $tmp/hist.dat |awk '{print $1}'> tmp/hist1.dat/paste $tmp/histtmp.da
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5482 cat $fhg.dat|awk' {posum=$1+$4+$7+$10+$13+$16;plsum=$2+$5+$8+$11+$14+$17;p2sum=$3+$6+$9+$12+$15+$18;
psum=p0sum+p1sum+p2sum/printf("%e %e %e %e\n",$19, posum/psum,plsum/psum,p2sum/psum);}' >> $fpdg.dat
5483 fi
                                                                                                                                                                                                                                                                                                                                                                                                                \# Probability P(c_i|p_G) for Probabilistic Prediction (fpdg=d1/ProbDistG^{(gibbs)}^{(gibbs)}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             foutall=PG${gibbs}Call${SD};cat /dev/null >${foutall}.output ###all
ftgtall=Call${SD};cat /dev/null > ${ftgtall}.target
#paste $tmp/histtmp.dat tmp/hist.dat > $fhg.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cat /dev/null > $fpdg.dat
```

```
fbr=resultp_iCed_(iCed)iCdd(iCed)iCdd(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCed(iCed)iCe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   rogi's PC(yuka and mesasho gave same result)=same as 20151016sakashita's 2570 #/home/kuro/sout/2015/anzb/evalloss46p p:ProbbistG1S.dat t:COS.target o:PG1COS.output #LACE=0.00311 905 LMLP-0.00820792 LMLP-0.0110817 nc=3 ndata=442000 5571 #/home/kuro/sout/2015/canzb/evalloss4pg p:ProbbistG1S.dat t:CIS.target o:PG1CIS.output #LACE=0.07159 5571 #/home/kuro/sout/2015/canzb/evalloss4pg p:ProbbistG1S.dat t:CIS.target o:PG1CIS.output #LACE=0.07159 5772 #/home/kuro/sout/2015/canzb/evalloss4pg p:ProbbistG1S.dat t:CIS.target o:PG1CIS.output #LACE=0.02504 5572 #/home/kuro/sout/2015/canzb/evalloss4pg p:ProbbistG1S.dat t:CIS.target o:PG1CIS.output #LACE=0.02504
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5581 home/kuro/Desktop/iconip_saigen/2012/can2b/evalloss4pG p:ProbbistG1S.dat t:COS.target o:PGICOS.outpu t= #Lance=0.0031195 LMLp=0.003087782 LMLp=0.0103195 LMLp=0.003087782 LMLp=0.0030817 nc=3 mdata=42000 t5582 home/kuro/Desktop/iconip_saigen/2012/can2b/evalloss4pG p:ProbbistG1S.dat t:ClS.target o:PGICIS.outpu t #Lance=0.015952 RMLp=0.220935 nc=3 ndata=42000 t5583 home/kuro/Desktop/iconip_saigen/2012/can2b/evalloss4pG p:ProbbistG1S.dat t:C2S.target o:PGIC2S.outpu t #Lance=0.0250476 LMLp=1nf LMLpD=0.0966923 nc=3 ndata=42000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ########copy and paste to here for (2-1)
###(2-1)result for d2=-/sotu/2015iconip_iconip_saigen/2012/12voicedata/allpole;d2sep=":" by the exec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ##0.011 0.073 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ##0.000 0.025 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ##0.004 0.033 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ##0.049 0.029 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ##0.051 0.761 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ##0.001 0.018 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ###result for gibbs=1, d2=../../2012/12voicedata/allpole;d2sep=":" by the executables complied on Ku
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       76 LMLp=inf LMLpp=0, 0966992 nC=3 ndata=42000
5573 #/home/kuro/sotu/2015/can2b/evalloss490 p:ProbDistGlS.dat t:CallS.target o:PGlCallS.output #LACE=0.0
33254 LMLp=inf LMLpp=0,109572 nC=3 ndata=12500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5574 ###result for gibbs=0
5574 ###result for gibbs=0
5575 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistG0S.dat t:COS.target o:PG0C0S.output #LACE=0.02607
5575 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistG0S.dat t:CIS.target o:PG0C1S.output #LACE=0.76209
5576 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistG0S.dat t:CIS.target o:PG0C1S.output #LACE=0.76209
51012 INLPD=1.02355 nC=3 ndata=42000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5586 home/kuro/Desktop/iconip_saigen/2012/can2b/evalloss4pG p:ProbDistG0S.dat t:COS.target o:PG0C0S.outpu t #AncRe-0.0280714 LNILP-0.13552 LNLIP-0.15512 nC=3 ndata=42000 5587 home/kuro/Desktop/iconip_saigen/2012/can2b/evalloss4pG p:ProbDistG0S.dat t:CIS.target o:PG0CIS.outpu t #LACE-0.762095 LNLP=1.0172 LNLEP=1.03355 nC=3 ndata=42000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistG0S.dat t:C2S.target o:PG0C2S.output #LACE=0.01814
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5584 home/kuro/Desktop/iconip_saigen/2012/can2b/evalloss4pg p:ProbDistGIS.dat t:CallS.target o:PG1CallS.o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ď
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5566 ##:./can2b/evalloss4pg p:ProbDistGOS.dat t:CallS.target o:PGOCallS.output vth:0.99:0 ##0.033 0.269
558 0.542 3 126000 #LAVE,LACE,LMLP,LANDP,nC ndata
5567
5568
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cmd="$d0/evalloss4pg p:${fpdg}.dat t:${ftgtall}.target o:${foutall}.output vth:$pGth:$Cth"; echo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cat ${fout}.output >> ${foutall}.target := ##all fpdg=Probbistos(gibbs) ${sp}.target >> ${ftgtall}.target := ##all fpdg=Probbistos(gibbs) ${sp} at t:${ftgt}.target o:${fout}.output vth:$pgth:$Cth" echo n "#$ond ##';$cnd ##';$cnd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  utables complied on saksabites 'Pocul'azillonipy lounip_managinglocolous and complied on saksabites' Pocul'azillonipy lounip_managinglocolous and complied on saksabites' Pocul'azillonipy lounip_managinglocolous and complied on saksabites' Pocul'azillonicolous per complied on saksabites' Pocul'azillonicolous per complied on the probabised complied on the complex co
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       utput #LACE=0.033254 LNLP=inf LNLPD=0.109572 nC=3 ndata=126000
                                                                                                                                              #unregistered
                                                                                                                                                                                                                                                                                                                                                                                                   cat /dev/null > ${fout}.output
cat /dev/null > ${ftgt}.target
for icd in 0 1 2 3 4 5; do ############*>>
for iCs in 0 3 2; do
if [ $iCs = "0" ]; then Ctgt=0; fi
[ $iCs = "3" ] ; then Ctgt=1; fi #unregister
if [ $iCs = "2" ]; then Ctgt=2; fi #incorrect
fout=PG${gibbs}$C${Ctgt}${SD}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5580 #(2-1)結果 sakashita's 20151016
                                                       ftgt=C${Ctgt}${SD
```

```
5588 home/kuro/Desktop/iconip_saigen/2012/can2b/evalloss4pg p:ProbDistGOS.dat t:C2S.target o:PGOC2S.outpu #LACC=0.0181429 LNLP=0.439341 LNLPD=0.457513 nC=3 ndata=42000
5589 home/kuro/Desktop/iconip_saigen/2012/can2b/evalloss4pg p:ProbDistGOS.dat t:Cal1S.target o:PGOCal1S.orput #LACE=0.28677 LNLP=0.530689 LNLPD=0.548739 nC=3 ndata=126000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           for gibbs in 1 0; do
if [ $gibbs = "1" ]; then pGth=0.96; else pGth=0.80; fi; ## threshold for LAVE in verification using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           5628 #(2-2)result for d2=-/sotu/2015iconip/iconip_saigen/2012/12voicedata/allpole;d2sep=":" by the execut ables complied on sakashita's PC Cth=1.5529 #../can2b/evalloss48pp.ProbblastGiD.dat t:C0D.target o:PG1C0D.output vth:0.96:1 ##0.007 0.014 0 5639 #../can2b/evalloss4Ar2 none.pdf.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ##0.000 0.102 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5642 ##../can2b/evalloss4pg p:ProbDistGOD.dat t:CallD.target o:PGOCallD.output vth:0.80:1 ##0.235 0.560 0 686 1.200 6 42000 #LAVE.LACE.LNLP.LNLPD.nC ndata
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ##0.000 0.048 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ##0.000 0.048 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ##0.000 0.044 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ##0.597 0.773 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ##0.370 0.874 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ##0.208 0.692 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ##0.001 0.004 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ##0.163 0.786 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                fbr=resultp_iCs${ics}icd${icd}G${gibbs}_${fb0}
#cat ${fbr}_PPtrain.dat >> ${fout}.output
cat ${fbr}_PPtrain.dat >> ${fout}.output
i=1;wMile { $i = 1e 7000 } ;do echo "${Ctgt}" >> ${ftgt}.target; if [ `expr $i $ 500' = "0" ] ; then
"."; fi; i='expr $i + 1'; done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             r
L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cmd="$d0/evalloss4pG p:${fpdg}.dat t:${ftgtall}.target o:${foutall}.output vth:$pGth:$Cth"; echo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cat ${fout}.output >> ${foutall}.output; cat ${ftgt}.target >> ${ftgtall}.target; ##all fpdg=ProbDistG${gibbs}${SD}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5630 #...coadata/allpole;dat t:COD.target o:PGICOD.output vth:0.96:1
5630 #...coadab/evalloss4p6 ProbbistGID.dat t:CID.target o:PGICOD.output vth:0.96:1
588 0.999 6 7000 #LAVE.LAGE.LAUD.LAGED.cat t:CID.target o:PGICID.output vth:0.96:1
5631 #...danaDevalloss4p6 ProbbistGID.dat t:CID.target o:PGICID.output vth:0.96:1
131 0.142 6 7000 #LAVE.LAGE.LAUD.LAGED.LAUD.C.data
5633 #...danaDevalloss4p6 ProbbistGID.dat t:CID.target o:PGICID.output vth:0.96:1
131 0.142 6 7000 #LAVE.LAGE.LAUD.LAGE.D.AUD.D.C.data
5633 #...danaDevalloss4p6 ProbbistGID.dat t:CID.target o:PGICID.output vth:0.96:1
224 0.228 6 7000 #LAVE.LAGE.LAUD.LAUD.D.C. data
5633 #...danaDevalloss4p6 ProbbistGID.dat t:CID.target o:PGICID.output vth:0.96:1
5634 #..danaDevalloss4p6 ProbbistGID.dat t:CID.target o:PGICID.output vth:0.96:1
5635 ##..danaDevalloss4p6 ProbbistGID.dat t:CID.target o:PGICID.output vth:0.96:1
5636 #..danaDevalloss4p6 ProbbistGID.dat t:CID.terget o:PGICID.output vth:0.96:1
5636 #..danaDevalloss4p6 ProbbistGID.dat t:CID.terget o:PGICID.output vth:0.96:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           5637 #../can2b/evalloss4pd p:ProbbiscG00.dat t:CID.target o:PG0CID.output vth:0.80:1
.595 1.230 6 7000 #LAVE.LACE.IMLP.LNLPD.nC ndata
.5638 #../can2b/evalloss4pd p:ProbbiscG00.dat t:CID.target o:PG0CID.output vth:0.80:1
.5638 #../can2b/evalloss4pd p:ProbbiscG00.dat t:C2D.target o:PG0C2D.output vth:0.80:1
.5639 #../can2b/evalloss4rd w:nearth:0.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5644 #../can2b/evalloss4pg p:ProbDistGlD.dat t:COD.target o:PGICOD.output vth:0.96:1
392 0.397 6 7000 #LAYB.LACE,LMLP.LNLPD.nC ndata -log(PGmin=0.015)=4.200
5645 #../can2b/evalloss4pg p:ProbDistGlD.dat t:ClD.target o:PGICID.output vth:0.96:1
988 0.398 6 7000 #LAYB.LACE,LMLP.LACE,LMLP.nC ndata -log(PGmin=0.015)=4.200
5646 #../can2b/evalloss4pg p:ProbDistGlD.dat t:C2D.target o:PGIC2D.output vth:0.96:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5640 #../can2b/evalloss4pG p:ProbDistGOD.dat t:C4D.target o:PGOC4D.output vth:0.80:1
826 1.188 6 7000 #LAVE.LACE,LNLP.LNLPD.nC ndata
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  t:C5D.target o:PG0C5D.output vth:0.80:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          export Cth=1; #Cth=0; ## threshold for LAVE in verification using threshold SlCs4D="0";###SlCs4D="0";###SlCs4D="0" 2";
                                                                                                                                                                                                                                                                                                                                                            #########copy and paste from here for (2-2)
d2=~/sotu/2015iconip/iconip_saigen/2012/12voicedata/allpole:d2sep=":"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5639 #../can2b/evalloss4pG p:ProbDistGOD.dat t:C3D.target o:PGOC3D.output 671 1.726 6 7000 #LAVE,LACE,LMLP,LNLPD,nC ndata
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                foutall=PG${gibbs}Call${SD};cat /dev/null >${foutall}.output ###all
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ]; then mkdir $d1;fi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ftgtall=Call${SD};cat /dev/null > ${ftgtall}.target
for icd in 0 1 2 3 4 5; do ##############>>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              d2=../../2012/12voicedata/iconip14data;d2sep=":"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               dl=../result-onsei_iCsiCd_saka; if [ ! -e $dl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  d0=../can2b; #d0=~/sotu/2015/can2b; #d0='pwd'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             d2=../../2012/12voicedata/allpole;d2sep=":"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5641 #./can2D/evalloss4pg p:ProbDistGDD.dat t
569 0.583 6 7000 #LAVE.LACE.LALE.LALE.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.LALEL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      fout=pd${gibbs}C${Ctgt}${SD}
ftgt=Cs{Ctgt}${SD}
ext /dev/null > ${fout}.output
cat /dev/null > ${fout}.target
for iCs in $SiCs4D; do
##
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "#$cmd ##";$cmd
                                                                                                                                                                                                                                                                                                      #(2-2) eval loss for D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  fb0=t-pG${t}${SD}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ##";$cmd; ###all
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       done #for iCs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 done #for icd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ctgt=$iCd;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SD="D";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    echo -n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   $d1;
                                                                                                                                                                                                                                                                                                                                        55992 ### 25993 d2## 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           echo -n
5619
5620
5622
5622
5623
5624
5624
5624
5625
5625
5627
5627
5627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5613
5614
5615
5616
5617
5618
                                                                                                                                                                                                                                                                                         5591
```

##0.000 0.044 0	##0.000 0.102 0	##0.000 0.030 0	1 ##0.028 0.171 0	##0.013 0.015 0	##0.220 1.000 0	##0.597 0.773 0	##0.370 0.874 0	##0.208 0.692 0	##0.001 0.004 0	1 ##0.235 0.560 0	the executables co	out #LACE=0.014 L	out #LACE=0.772 L	out #LACE=0.047 L	out #LACE=0.053 L	out #LACE=0.115 L	out #LACE=0.025 L	0.output #LACE=0.	out #LACE=0.013 L	out #LACE=0.988 L	out #LACE=0.810 L	out #LACE=0.868 L	out #LACE=0.686 L	out #LACE=0.003 L	o:PG0CallD.output #LACE=0.5	es complied on sa	t:COD.target o:PG	t:ClD.target o:PG	t:C2D.target o:PG	t:C3D.target o:PG	t:C4D.target o:PG	t:C5D.target o:PG	t:CallD.target o:	es complied on sa	target	target	t:C2D.target o:PG t:C3D.target o:PG
5)=4.200 GIC3D.output vth:0.96:1 5)=4.200	o:PG1C4D.output vth:0.96:1	o:PG1C5D.output vth:0.96:1	o:PG1CallD.output vth:0.96:1	o:PGOCOD.output vth:0.80:1	=4.200 ClD.output vth:0.80:1	=4.200 C2D.output vth:0.80:1	=4.200 ??? C3D.output vth:0.80:1 -4 200	-4.200 C4D.output vth:0.80:1	5)=4.200 GOC5D.output vth:0.80:1 5)=4 200	o:PG0CallD.output vth:0.80:1 15)=4.200	ta/allpole;d2sep=":" by	t:C0D.target o:PG1C0D.output	t:ClD.target o:PG1ClD.output	= 4.200 t:C2D.target o:PGIC2D.output = 4.200	t:C3D.target o:PG1C3D.output	= 4.200 t:C4D.target o:PG1C4D.output = 4.200		=4.200 t:CallD.target o:PG1CallD.output	U.015)=4.200 t:COD.target o:PGOCOD.output	t:ClD.target o:PG0ClD.output	-:200 t:C2D.target o:PG0C2D.output	=4.200 t:C3D.target o:PG0C3D.output	=4.200 t:C4D.target o:PGOC4D.output -4.200	=4.200 t:C5D.target o:PG0C5D.output	0.target 1.200	2sep=":" by the executables	p:ProbDistG1D.dat	og p:ProbDistG1D.dat	p:ProbDistGlD.dat	p:ProbDistG1D.dat	p:ProbDistGlD.dat	oss4pg p:ProbDistG1D.dat=7000	oss4pg p:ProbDistGlD.dat	2sep=":" by the executables	p:ProbDistGOD.dat	p:ProbDistGOD.dat	p:ProbDistG0D.dat p:ProbDistG0D.dat
a -log(PGmin=0.01 t:C3D.target o:P	D.dat t:C4D.target o:PG10	ndata log(Fomin-0.013) D.dat t:C5D.target o:PG10 ndata log(FCmin-0.015)	ndata -log(FGmin=U.015): 1D.dat t:CallD.target o:	#LAVE_LACE_LNLP.LNLPD.NC ndata = 10g(VGmin=0.015)=4.200 evalloss4pg p:ProbbistGOD.dat t.COD.target o.PGOCOD.out	ndata -log(FGmin=0.015) D.dat t:ClD.target o:PG0	ndata -log(FGmin=0.015); D.dat t:C2D.target o:PG0	ndata -10g(PGmin=0.015); D.dat t:C3D.target o:PG0 måsta -10g(PGmin=0.015);	D.dat t:C4D.target o:PG0	ndata -109(FGMIN=0.015); D.dat t:C5D.target o:PG0 ndata 103(FGmin=0 015);		inf?d2=//2012/12voiceda				ss4pg p:ProbDistGlD.dat	ss4pg p:ProbDistGlD.dat	ss4pg p:ProbbistG1D.dat	P,LNPD<-Log(PGmin=0.015)	=0.350 NC=6 ndata=42000 (LMLP,LMPD<-1.09(PGMLN=0.015)=4.200 sout/2015/can2b/evalloss496 piProbDistGOD dat t:COD.target	ss4pg p:ProbDistGOD.dat	ss4pg p:ProbbistG0D.dat	ss4pg p:ProbbistG0D.dat	ss4pg p:ProbDistGOD.dat	ss4pg p:ProbbistG0D.dat	,LNPD<-log(PGmin=0.015) s4pg p:ProbbistG0D.dat (LNLP,LNPD<-log(PGmin=0	/2012/12voicedata/allpole;d2sep=":" by the	_saigen/2012/can2b/evalloss4pG	saigen/2012/can2b/evall	LNLFD=1.034/6 NC=6 Maaca=7000 P_saigen/2012/can2b/evalloss4 twr=nc=0 104328 mg=6 mgsts=7004	Saigen/2012/can2b/evall INT DD-0 143428	saigen/2012/can2b/evall. NLPD=0.228925 nC=6 ndata	sotu/2015iconip/iconip_saigen/2012/can2b/evalloss4pG 0297143 IMI:P=0 135753 IMI:PD=0 14749 nC=6 ndata=7000	saigen/2012/can2b/evall 96 LNLPD=0.359746 nC=6 nc	/2012/12voicedata/allpole;d2sep=":"	_saigen/2012/can2b/evall. D=0.81168 nC=6 ndata=700	_saigen/2012/can2b/evall 23937 nC=6 ndata=7000	_saigen/2012/can2b/evall. NLPD=1.66523 nC=6 ndata=" _saigen/2012/can2b/evall
	Shevallossage P. Problistal Date	2b/evalloss4pg p:ProbDistGl	<pre>//UU #LAVE.LACE.LALE.LALE.LALE.LALE.LACE.LALE.LAL</pre>	0.34 6 42000 #LAVE, LACE, LNLP, LNLPD, N 11 #/can25/evalloss46p p:ProbbistG0	10 #LAVE, LACE, LNLP, LNLPD, NC 2b/evalloss4pG p:ProbDistGO	595 1.22 6 /UUU #LAKE, LAKE, LALE, LALED, AC ACACA - 108(FGMAR) = 0.015 = 4.200 553 #. // Can2b/evalloss4pg probbistG0D.dat t:C2D.catget copeGC2D.out	394 1.665 6 7000 #LAVE_LACE, LALEF_LALEFD, AC Adata = LOG(Pénnie J. 1.15) = 4.200 ???? 5564 #/can2b/evalloss4gG p.ProbobiscafOD.dat t.C3D.target 0:PGOC3D.output 271 1 706 6 7000 #TATE 1700 TATE THE TATE TO AGAIN 10.010.010 018.64 0018.64	. Can2b/evallossage p:PublistGoldat :-(AD) train-0) /co	2b/evalloss4pg p:ProbDistG0	o 7000 #LAVE, LANGE, LA	26 modified for exclude inf	### National Action Transmission Make Same resurce #### ### ### ### #### #### #### #### #### #### #### #### #### ##### ##### ##### ##### ######	5662 #/homes/kuro/sotu/2015/cam2/how (mnrs,mnso-109) framing-0.1015/ xmn-0 661 **********************************	NLF-0.301 INLEP-0.307 INC-0 INGAGA=/VOU (INLE).LANDY-1-09(FORILIE-V.12)=4.300 563 #/Lonme/Kuro/sotu/2015/can2b/voulloss4pg p:ProblistGID.dat t:C2D.tt xrp-0 177 rxrp-0 100 voc 234t-2-7000 (xrr rxrp-) 100/rom-0 01574 700	### This is a second of the se	NLF60.IND.LINEFOU.IOS INC-0 MACKGEN (LAMLF, NAFDC-LOG (CMILIE).VIS)=#.X00 XT5665 #/Nnow(Kuro/Sotu/2015/2015/evis)evisydd p:ProbDistGli.dat LCGD.target XT567 347 TANTDLA A48 WALE WALEL-ZOOM (TANT TANDE) ISLAM 200	turo/sotu/2015/can2b/evallc	LNLPD=0.131 nC=6 ndaca=7000 (LNLP,LNPD<-Log(PGmnn=0.015)=4.200	unrPD=0.350 nC=6 ndata=4200 turo/sotu/2015/can2b/evallc	NEFOLISS MARET-COLISE INCOMINATOR AND	homePro-1.14*0 ince indaca=/000 (laber, laber-1.09 (remini-0.112)-=1200 /home/kuro/sotu//2015/can2b/evalloss496 p:ProblistGOD.dat t:C2D.t ************************************	LNLEDEL.009 INCE MAGREE=//UU (LNLE/,LNFDS-LOG FGMINE=0.015)=4.200 Thomes/kuro/sout/2015/can2D/evalloss4ge; PirobDistGOD.dat t:C3D.t	:/35	മയ്	N ⊠ ⊢i	##result for gibbs=1, d2=//20	sotu/201	sotu/2015iconip/iconi	pur #LACE=0. 00200 LAURE-0.30/30/ LAURE-1034/0 INC=0 INGGE=7000 #/home/kuro.501u/2015/conip/loonip_loonip_saigen/2012/can2b/evalloos4pG 	1/22.0ucput #18/22-0.01/1139 INNIP-0.10979 INNIP-0.129122 INCO MAGAGE-7000 5681 #1/Anome/Naro/Socut/20151conip/locing_saigen/2012/can2DJ/evalloss4pg 1/270 Arthort #18/70P-0 AddRess INT D-0 13660 INT DD-0 141438 M-0-6 Address-7000	1000.0020guc ###ArE-0.0130071 MNLF-0.130009 MNLF-0.131342 NL-0 MNACC-700 5682 #/home/kurc/sotu/2015iconjb/iconjp_saigen/2012/can2b/evallos4\$p 104D.outbut #IACR=0.102499 IMLP-0.224404 IMIPD=0.228925 nG=6 ndata=7010	turo/sotu/2015iconip/iconip	5684 #/nome/kuro/sotu/2015iconip/iconip_saigen/2012/can2b/evall. PG1CallD.output #LACE=0.170738 LNLP=0.339096 LNLPD=0.359746 nC=6 nc	t for gibbs=0, d2=//20	5686 #/home/kuro/sotu/2015iconip/iconip_saigen/2012/can2b/evalloss4pG 0C0D.output #LACE=0.015 IMLP=0.761659 IMLPD=0.81168 nC=6 ndata=7000	turo/sotu/2015iconip/iconip E=1 LNLP=0.595188 LNLPD=1.	#/Nome/kuro/sotu/2011stonnip/Loonip_sasigen/2012/can2b/evalloss&pg0 put #LAcEs=0.773143 LMIP=0.693672 LMIRP=1.66523 nG=6 ndata=7000 #/home/kuro/sotu/2015iconip/iconip_saigen/2012/can2b/evalloss&pg
.164 0.178 6 7000 5647 #/can2b/	; ; a		# r	5651 #/can	5652 #/can	5653 #/can	5654 #/can	5655 #/can	5656 #/can	7. ##. 1.199	(5661 #/home/	5662 #/home/}	5663 #/home/}	5664 #/home/}	5665 #/home/}	5666 #/home/}	20 (1/1 LNLF=0.343 LNLFD 5668 #/home/kuro/ mr n-0 753 rmr n-0 70	5669 #/home/}	5670 #/home/}	NLF=0.6/4 LNLFD=1.66 5671 #/home/kuro/ NTF-0.604 TNTFF-1.73	5672 #/home/	5673 #/home/	NLP=0.561 LNLPD=0.57 5674 #/home/kuro/ 61 LNLP=0.686 LNLPD= 5675	5676 5677 ###resu	5678 #/home/kuro/	5679 #/home/kuro/	ICID.output #LACE=0. 5680 #/home/kuro/	5681 #/home/J	5682 #/home/} 1C4D.output #LAC	5683 #/home/kuro/sc	5684 #/home//	5685 ##result for kashita's PC	5686 #/home/} 0C0D.output #LAC	5687 #/home/J OCID.output #LAC	5688 #/home/kuro/ OC2D.output #LACE=0. 5689 #/home/kuro/

readmecan2mspeech.txt Dec 05 2019 13:52:41

Page 84

0C3D.output #LACE=0.873857 LNLP=0.670897 LNLPD=1.72637 nC=6 ndata=7000

5690 #/home/kuro/sotu/2015iconip/loonip_saigen/2012/can2b/evalloss4pG p:ProbDistG0D.dat t:C4D.target o:PG 0C4D.output #LACE=0.691714 INLP=0.826376 INLPD=1.20543 nC=6 ndata=7000 5691 #/home/kuro/sotu/2015iconip/iconip_saigen/2012/can2b/evalloss4pG p:ProbDistGOD.dat t:C5D.target o:PG CSD.uturuc/SCD.uturo/sotu/2015iconip/iconip_saigen/2012/can2b/evalloss4pG p:ProbDistGOD.dat t:C3D.target o: 5692 #/home/kuro/sotu/2015iconip/iconip_saigen/2012/can2b/evalloss4pG p:ProbDistGOD.dat t:CallD.target o: PGGCallD.curput #LACE=0.559619 INID=0.686154 IM.PD=1.20742 nC=6 ndata=42000

```
5696 home/kuro/Desktop/iconip_saigen/2012/can2b/evalloss4pG p:ProbbistGID.dat t:COD.target o:PGICOD.output t=LADEP_0.1014 INID=0.41204 nc=6 ndata=7000
5697 home/kuro/Desktop/iconip_saigen/2012/can2b/evalloss4pG p:ProbbistGID.dat t:CID.target o:PGICID.output t=LADEP_0.777226 INID=0.96103 INID=0.96118 nc=6 ndata=7000
5698 home/kuro/Desktop/iconip_saigen/2012/can2b/evalloss4pG p:ProbbistGID.dat t:CID.target o:PGICID.output 5698 home/kuro/Desktop/iconip_saigen/2012/can2b/evalloss4pG p:ProbbistGID.dat t:CID.target o:PGIC2D.output t=LADEP_0.0471429 INID=0.178163 INID=0.222613 nc=6 ndata=7000
                                                                                                                                                                                                                                                                                                     5699 home/kuro/Desktop/iconip_saigen/2012/GanZb/evalloss4pg p:ProbbistGlD.dat t:C3D.target o:PGIC2D.outpu t #LACE=0.0532857 LNLP=0.148935 LNLPD=0.174225 nC=6 ndata=7000 t #LACE=0.0532857 LNLP=0.148935 LNLPD=0.174225 nC=6 ndata=7000 t #LACE=0.14671 LNLP=0.148935 LNLPD=0.174225 nC=6 ndata=7000 t #LACE=0.14671 LNLP=0.246902 LNLPD=0.249973 nC=6 ndata=7000 t #LACE=0.14671 LNLP=0.246902 LNLPD=0.249973 nC=6 ndata=7000 t #LACE=0.114571 LNLP=0.246902 LNLPD=0.249973 nC=6 ndata=7000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5701 home/kuro/Desktop/lconip_salgen/2012/can2b/evalloss4pd p:ProbDistGID.dat t:C5D.target o:PGIC5D.outpu t #LACE=0.0251429 INLD=0.128831 IALpD=0.132246 nC=6 ndata=7000 5702 home/kuro/Desktop/lconip_salgen/2012/can2b/evalloss4pd p:ProbDistGID.dat t:C5D.target o:PGIC5D.outpu utput #LACE=0.171071 INLD=0.343339 IALpD=0.364308 nC=6 ndata=42000 5703
20151016sakashita
5695
```

5704 home/kuro/Desktop/iconip_saigen/2012/can2b/evalloss4pG p:ProbDistGOD.dat t:COD.target o:PGOCOD.outpu t #LACE=0.0125714 LAUD=0.75319 LAULPD=0.803889 nC=6 ndata=7000 5705 home/kuro/Desktop/innnin enimal-nois

THACE-0.00120 LANGE AND CONTINUED AND CONTIN

5710 home/kuro/Desktop/iconip_saigen/2012/can2D/evalloss496 p:ProbDistG0D.dat t:CallD.target o:PGOCallD.o utput #LACE=0.561357 LNLP=0.686311 LNLPD=1.21365 nC=6 ndata=42000

C4

#(2-3) eval loss for D with the combied class new class C0,C1,...,C4 for old {C0 \cup C1}, C2, C3,

```
for gibbs in 1 0; do
if [ $gibbs = "1" ]; then pGth=0.96; else pGth=0.80; fi; ## threshold for LAVE in verification using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   for iCs in $SiCs4D; do #for iconip2015 with SD="D" ###########!!!!!!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ###a11
                                                    d2=-/sotu/2015iconip/iconip_saigen/2012/12voicedata/allpole;d2sep=":"
d2=../../2012/12voicedata/iconip14data;d2sep=":"
                                                                                                                                                                                                                                                                                                                                                                                                                                                              foutall=PG$(gibbs)Call$(SD}4;cat /dev/null >${foutall}.output ###all ftgtall-Call$(SD)4:cat /dev/null > ${ftgtall}.target ###all ftctall$(SD)4:cat /dev/null > ${ftgtall}.target ###all ftct for icd in 0 1 2 3 4 5; do ##############>> if [$icd -le 1]; then icd4e0; else icd4e-expt $icd -l'; fi
                                                                                                                                                                                                                                                               fpdg=ProbDistG$(gibbs)$(SD)
fpdg4=ProbDistG$(gibbs)$(SD)4
cat /dev/null > $(fpdg4}.dat
cat $(fpdg).dat | awk '{print $1,$2+$3,$4,$5,$6,$7}' >> $(fpdg4).dat
done #for gibbs
                                                                                                                                                                       export Cth=0; ## threshold for LAVE in verification using threshold
                                                                                            d2=.,/../2012/12voicedat_dallpole.d2ssp=""
d0=../can2b; #400--/sotu/2015/can2b; #400--ywd'
d1=../result_consel_iCstod_aska; if [ i -e $d1 ]; then wkdir $d1;fi
d1=../result_consel_iCstod_aska; if [ i -e $d1 ];
                                    ########copy and paste from here for (2-3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             fout=PG${gibba}C${Ctgt}${SD}4
ftqt=C${Ctgt}${SD}4
ft $icd = ne 1 i then
cat /dev/null > ${fout}, output
cat /dev/null > ${fut}.
                                                                                                                                                                                         SiCs4D="0";#SiCs4D="0 3 2";
                                                                                                                                                                                                                                                  for gibbs in 1 0; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ctgt=$iCd4;
                                                                                                                                                     SD="D";
                                                                                                                                                                                                                                                                                                                                                                                          #######
                                                                                                                                                                                                              cd $d1
                                                                                                                                                                                                                                                                                                                                                                                                                                                threshold
5713
                                 55735
55735
55735
55735
55739
55744
55744
5744
5745
5745
5750
                                                                                                                                                                                                                                                                                                                                                                                                                              5734
```

fb0=t-pG\${t}\${SD}
fbr=resultp_iCos{ios}icds{iod}G\${gibbs}_\${fb0}
#oat \${fbr}_Perrain.dat >> \${fout}.output
cat \${fbr}_Perrest.dat >> \${fout}.output

```
Uniquited on standard as Procedure 1976 ##0.085 0.02  
576 ##0.000 #ALANE, ACE LINED, ACE ACED ##0.000 0.04  
6 0.05 0.072 5 14000 #ALANE, ACE LINED, ACE ACED ##0.000 0.04  
7576 ##0.000 #ALANE, ACED #ALANED, ACED ##0.000 0.04  
7578 ##0.000 #ALANE, ACED ##0.000 0.04  
7579 ##0.000 #ALANE, ACED ##0.000 0.04  
7579 ##0.000 #ALANE, ACED ##0.000 0.04  
7570 ##0.000 #ALANE, ACED ##0.000 0.04  
7571 ##0.000 #ALANE, ACED ##0.000 0.04  
7571 ##0.000 #ALANE, ACED ##0.000 0.04  
7571 ##0.000 #ALANE, ACED ##0.000 ##0.000 0.000 0.03  
7571 ##0.000 #ALANE, ACED ##0.000 0.03  
7571 ##0.000 #ALANE, ACED ALANE, ACED ##0.000 0.03  
7571 ##0.000 #ALANE, ACED ALANE, ACED ##0.000 0.03  
7571 ##0.000 #ALANE, ACED ALANE, ACED ##0.000 0.03  
7572 ##0.000 #ALANE, ACED ALANE, ACED ##0.000 0.03  
7573 ##0.000 #ALANE, ACED ALANE, ACED ##0.000 0.03  
7574 ##0.000 #ALANE, ACED ALANE, ACED ALANED, ACED ##0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5788 home/kuro/Desktop/iconip_saigen/2012/can2b/evalloss496 p:ProbbistGDD4.dat t:ClD4.target o:PGGClD4.ou tput #LACE=0.851286 LALP=1.08865 LALP=1.68861 nC=5 ndata=7000
tput #LACE=0.851286 LALP=1.08865 LALP=1.6881 nC=5 ndata=7000
tput #LACE=0.85142 iALP=0.081476 LALP=1.6881 nC=5 ndata=7000
5799 home/kuro/Desktop/iconip_saigen/2012/can2b/evalloss496 p:ProbbistGDD4.dat t:C2D4.target o:PGGCZD4.ou tput #LACE=0.869143 iALD=0.831476 LALP=0.831476 LALP=1.4383 nC=5 ndata=7000
5790 home/kuro/Desktop/iconip_saigen/2012/can2b/evalloss496 p:ProbbistGDD4.dat t:C3D4.target o:PGGC4D4.ou tput #LACE=0.68857 NLALP=0.83473 LALP=0.8345 nC=5 ndata=7000
5791 home/kuro/Desktop/iconip_saigen/2012/can2b/evalloss496 p:ProbbistGDD4.dat t:C4D4.target o:PGGC4D4.ou tput #LACE=0.00314286 LALP=0.560798 LALP=0.573545 nC=5 ndata=7000
5792 home/kuro/Desktop/iconip_saigen/2012/can2b/evalloss496 p:ProbbistGDD4.dat t:CallD4.target o:PGGC4D4.ou tput #LACE=0.0314837 LALP=0.899382 nC=5 ndata=49000
5793 home/kuro/Desktop/iconip_saigen/2012/can2b/evalloss496 p:ProbbistGDD4.dat t:CallD4.target o:PGGCallD 5793 home/kuro/Desktop/iconip_saigen/2012/can2b/evalloss496
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         F783 home/kuro/Desktop/iconip_saigen/2012/can2b/evallossipp prrobbistGID4.dat t:c2D4.target o:PGIC2D4.ou typt #AACE=0.032887 LNLPe0.148935 kulb=0.147425 nC=5 ndata=7000

F784 home/kuro/Desktop/iconip_saigen/2012/can3b/evallossipp prrobbistGID4.dat t:c3D4.target o:PGIC3D4.ou tput #LACE=0.114571 LNLP=0.246902 LNLPD=0.249733 nC=5 ndata=7000

F785 home/kuro/Desktop/iconip_saigen/2012/can3b/evallossipp prrobbistGID4.dat t:C4D4.target o:PGIC4D4.ou tput #LACE=0.0351439 LNLPD=0.132345 nC=5 ndata=7000

F786 home/kuro/Desktop/iconip_saigen/2012/can3b/evallossipp prrobbistGID4.dat t:C4D4.target o:PGIC4D4.ou 5786 home/kuro/Desktop/iconip_saigen/2012/can3b/evallossipp prrobbistGID4.dat t:Cal1D4.target o:PGICal1D 5787 home/kuro/Desktop/iconip_saigen/2012/can3b/evallossipp prrobbistGID4.dat t:C0D4.target o:PGICal1D 5787 home/kuro/Desktop/iconip_saigen/2012/can3b/evallossipp prrobbistGOD4.dat t:C0D4.target o:PGIC0D4.ou 5787 home/kuro/Desktop/iconip_saigen/2012/can3b/evallossipp probbistGOD4.dat t:C0D4.target o:PGICCOD4.ou
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5760 done #for iCd
5761 cmd="xd0/evalloss4pG p:${fpdg4}.dat t:${ftgtall}.target o:${foutall}.output vth:$pGth:$cth"; echo -n
##$cmd ##"iscmd; ###all
5762 done #for gibbs
5763 cd -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5782 home/kuro/Deskrop/iconip_asiger_0:VoqUBL/ nC=5 ndata=14000
tput #LACE=0.0471429 LNLP=0.186058 LNLPD=0.22503 nC=5 ndata=7000
5783 home/kuro/Deskrop/iconip_asiger_0:PGD=0.22503 nC=5 ndata=7000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5776 #../can2b/evalloss4pG p:ProbbistGOD4.dat t:C4D4.target o:PGGC4D4.output vth:0.80:0 ##0.001 0.00 0.00 0.559 0.588 5.700 ##0.kIAPD.hd. Adata 5777 ##../can2b/evalloss4pG p:ProbbistGOD4.dat t:CallD4.target o:PGGCallD4.output vth:0.80:0 ##0.203 0.37 0.594 0.887 5 49000 #LAVE,LACE,LNLP,LNLPD.hd. data
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5780 #resutl for sakashita's result 20151016 = Kurogi's result 5780 #result for sakashita's result 20151016 = Kurogi's result 5781 home/kuro/Desktop/ioonip_salagen*2012/canzb/evalloss4pg p.ProbDistGlD4.dat t:C0D4.target o:PGlCOD4.ou 5782 home/kuro/Desktop/ioonip_salagen/2012/canzb/evalloss4pg p:ProbDistGlD4.dat t:ClD4.target o:PGlClD4.ou 5782 home/kuro/Desktop/ioonip_salagen/2012/canzb/evalloss4pg p:ProbDistGlD4.dat t:ClD4.target o:PGlClD4.ou
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5787 home/kurc/Desktop/iconip_saigen/2012/can2b/evalloss4pd p:ProbbistGOD4.dat t:COD4.target o:PGOCD4.ou 5788 home/kurc/Desktop/iconip_saigen/2012/can2b/evalloss4pd p:ProbbistGOD4.dat t:COD4.target o:PGOCD4.ou 5788 home/kurc/Desktop/iconip_saicar/mn.n.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5795 #/home/kuro/sotu/2015iconip/iconip_saigen/2012/can2b/evalloss4pg p:ProbDistG1D4.dat t:CDD4.target o: 924004-cuput #LAACE=0.029365 KINLP=0.0594322 KINCP=0.069588 RC=5 Radta==4000 5796 #/home/kuro/sotu/2015iconip/iconip_saigen/2012/can2b/evalloss4pg p:ProbDistG1D4.dat t:ClD4.target o: PG1C1D4.output #LAACE=0.0477143 INLP=0.173193 INLPD=0.194228 RC=5 Rdata=7000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5797 #/home/kuro/sotu/2015iconip/iconip_saigen/2012/can2b/evalloss4pG p:ProbDistG1D4.dat t:C2D4.target o:
PG1C2D4.output #LACE=0.0438571 LNLP=0.130509 LNLPD=0.143428 nC=5 ndata=7000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5798 #/home/kuro/sotu/2015iconip/iconip_saigen/2012/can2b/evalloss4pG p:ProbDistG1D4.dat t:C3D4.target o: PG1C3D4.output #LACE=0.103429 LMLP0-0.22494 LMLPD-0.228925 nG=5 ndata=7000 5799 #/home/kuro/sotu/2015iconip/iconip_saigen/2012/can2b/evalloss4pG p:ProbDistG1D4.dat t:C4D4.target o: PG1C4D4.output #LACE=0.0297143 LMLP0-0.135753 LMLPD=0.135753 LMLPD=0.135753 LMLPD=0.135753 LMLPD=0.135753 LMLPD=0.12749 nG=5 ndata=7000 5800 #/home/kuro/sotu/2015iconip/iconip_saigen/2012/can2b/evalloss4pG p:ProbDistG1D4.dat t:CallD4.target
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            for d2=~/sotu/2015iconip/iconip_saigen/2012/12voicedata/allpole;d2sep=":" by the exec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5794 ###result for gibbs=1, d2=../../2012/12voicedata/allpole;d2sep=":" by the executables complied on sa
-le 7000 ] ;do echo "${Ctgt}" >> ${ftgt}.target; if [ `expr $i % 500` = "0" ] ; then
                                                                                                                                                                                                                                              cat ${fout}.output >> ${foutall}.output; cat ${ftgt}.target >> ${ftgtall}.target; ###all
                                                                                                                                                                                                                                                                                                                        if [ $icd -ne 0 ] : then
fpdg4=Probbisct6${gibbs}${SD}4
comd=*$$$4$$/eyalloss4$$pd :${fpdg4}.dat t:${ftgt}.target o:${fout}.output vth:$pgth:$Cth"
echo -n "#$omd ##";$omd ##";$put
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           5775 #../can2b/evalloss4pG p:ProbDistGOD4.dat t:C3D4.target o:PGOC3D4.output vth:0.80:0 2 0.830 1.188 5 7000 #LAVE,LACE,LNLP,LNLPD,nC ndata
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ########copy and paste to here for (2-3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               utables complied on sakashita's PC Cth=0
                                                                "."; fi; i=\expr $i + 1\'; done done #for iCs
5752 i=1;while [ $i
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ###(2-3)result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               БС
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               kashita's
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5764
```

o:PG1CallD4.output #LACE=0.0389592 LNLP=0.112245 LNLPD=0.125585 nC=5 ndata=49000

```
#########
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               d2=/media/sf_D_RIVE/cdata/15iconip/20150917takeguchi/12voicedata_sakashita/12voicedata/al1pole:d2se
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5807 #/home/kuro/sotu/2015iconip/iconip_saigen/2012/can2b/evalloss496 p:ProbbistG0D4.dat t:CallD4.target o:PG0CallD4.output #LACE=0.37151 LNLP=0.594459 LNLPD=0.892905 nC=5 ndata=49000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             http://kurolab.cntl.kyutech.ac.jp/sotu/2012/12vicedata/iconip2014data/oob4s....(下参照)
だが、坂下君の卒論やICONIP2015の結果と違う。なぜ?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cat /dev/null > psdsum.dat
text sx in 0 1 2 3 4 5 6 do sp=-1;
text sx in 0 1 2 3 4 5 6 do sp=-1;
text state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.state.s
                                                                                                                                                                                                         5804 #/home/kuro/sotu/2015.conip/lconip/sajgen/2012/can2b/evalloss4p6 p:ProbbistGOD4.dat PGOC2D4.output #LACE=0.873857 LNLP=0.816074 LNLPD=1.72637 nC=5 ndata=7000 5805 #/home/kuro/sotu/2013/canib/akt NNLP=0.816074 ANLPD=1.72637 nC=5 ndata=7000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ### for iCs in 0 0 0; do for iconip2015 with SD=D and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     for gibbs in 1 0; do (for setting) for setting the setting of the setting sett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20151008若干修正 <- 20150917修正 <- 20150915
(0) TAGE, LIMLP を計算するでプログラム evalloss4pG.c を作成。
(0-1) 以下の(1),(2-1),(2-2)は実行網を示す。
(0-1) 別いたCANZの数字、話者の学習データセットは,iconip2014で作成したもの
###result for gibbs=0, d2=../../2012/12voicedata/allpole;d2sep=":" by the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 tune=./tunjif [ ! -e $tump ]; then mkdir $tump;fi
dl=../result-onsei_iGsiCd_saka; if [ ! -e $dl ]; then mkdir $dl;fi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (1) 数字 and 語者 combined by kuro from the scripts by Sakashita
################# copy and paste from here for (1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #dl=../result-onsei_iCsiCd; if [ ! -e $dl ]; then mkdir $dl;fi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             pas=0.80;pad=0.96;T=5;TT=15;gibbs=1; #for GEBI papad:pa:pad
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       pApAd:pA:pAd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SiCs="0 2 3"; #for Correct, Unregistered, Incorrect
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             for icd in 0 1 2 3 4 5; do #############>>
if [ $qibbs -eq 1 ]; then
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #for BI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  pAs=0.99;pAd=0.80;T=5;TT=15;gibbs=0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #dlc=../result-onsei_iCsiCd_d;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      sat /dev/null > resultsum.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #############################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SD="S D";# SD="S"; SD="D";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       fi
for iCs in $SiCs; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           5867
5867
5868
5869
5870
5871
5871
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5809
```

```
Eb0=t-pG${t}${sorD}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ################
um/psum);}' >> $fpdg.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    # for SorD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       done #for gibbs
                                                                                                                                                                                                                                                                                                                                                                                                                                  gnuplot <<EOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  done #for icd
                                                                                                                                                                                                                                                                                                                                                                                                        "$SorD"
                                                                                                                                                                                                                                                                                                                                                                  ##########
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #######
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cd $d1;
                                                                                                                                                                                                                           else
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                59963

59663

59664

59664

59664

59664

59664

59664

59664

59664

59664

59664

59664

59664

59664

59664

59664

59664

59664

59664

59664

59664

59664

59664

59664

59664

59664

59664

59664

59664

59664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

69664

696644

696644

696644

696644

69664

69664

69664

69664

69664

69664

69664

69664

69664
                                                                                                                                                                                                                                                                                                                                                                                                5946
5947
5948
5949
5950
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5953
5955
5955
5957
5959
5959
5959
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5890 fb0=t-pG8{tJ${sorD}}

5891 fbr=${(al)}/resultp_iCa${iCa}iCd${gibbs}_${fb0}}

5891 fbr=${(al)}/resultp_iCa${iCa}iCd${gibbs}_${fb0}}

5892 cat fdev_null > ${(b0)} dat

5893 #echo "#pGC,tn.pGC,pGGC" >> ${fb0}.dat #p??

5894 if ["$sorD" = "D" j then cat pedsum.dat lawk 'BBGIN{t=ENVIRON["t"]j}{if($l==t)}{print $4,$0j}}' >> $

{b0}.dat j fl ##psdsum.dat ->bD for digits

5895 if ["$sorD" = "S" j; then cat pedsum.dat | awk 'BEGIN{t=ENVIRON["t"]j}{if($l==t)}{print $3,$0j}}' >> $

{b0}.dat j fl ##psdsum.dat ->bD for digits

5895 #cat pedsum.dat | awk 'BEGIN{t=ENVIRON["t"]j}{if($l==t)}{print $3,$0j}}' >> $

5897 cmdl="cp ${fb0}.dat ${fbn}.dat ${fbn}.dat "#psdsum.dat -
                                                                                5875 d2=-/soru/2015;iconip_sampe_rataca/tasep=-
5876 if [ "$d2sep" = "." ]; then #yrm:10.9:1000 ordata/allpole;d2sep=":"
5877 if [ "$d2sep" = "." ]; then #yrm:10.9:1000 or yrm:1:0,9:2000
5877 cmd="speakerdigit_v5 fs:${d2}/oob4s:-IN40mbas2:300:1.6:1sx${sx}}, y fd:${d2}/oob4d:-IN100mbas2:300:1.6
5877 cmd="speakerdigit_v5 fs:${d2}/oob4s:-IN40mbas2:300:1.6:1sx${sx}}, y fd:${d2}/oob4d:-IN100mbas2:300:1.6
5877 cmd="speakerdigit_v5 fs:${d2}/oob4s:-IN40mbas2:300:1.6:1sx${sx}}, y fd:${d2}/oob4d:-IN100mbas2:300:1.6
5877 cmd="speakerdigit_v5 fs:${d2}/oob4d:-IN100mbas2:300:1.6
5877 cmd="
                                                                                                                                                                                                                                                                                                                                                          ${fbr}.dat >> ${fbr}_PPtrain.d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sed -n -e "'expr ${sX_1000} + 1', 'expr ${sX_1000} + 1000'p" ${fbr}.dat >> ${fbr}}_PPtrain.dat echo "sed -n -e \"'expr ${sX_1000} + 1001', 'expr ${sX_1000} + 2000'p\" ${fbr}.dat >> ${fbr}}_PPtest.d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5936 if [ "$SoxD" = "D" ]; then #for 3=number of iCs candidates
5937 if [ "$SloxD" = "D" ]; then
5938 cat $ftg_dat | awk '{p0sun=$1;p1sun=$2;p2sun=$4;p4sun=$5;p5sun=$6;psun=p0sun+p1sun+p2sun+p3su
m+p4sum+p5sum;printf("%e %e %e %e %e %e %e \n",$7, p0sum/psum,p1sum/psum,p2sum/psum,p4sum/psum,p5s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cat $tmp/psd.dat >> psdsum.dat ######## <== speakerdigit_v5.c ,pg for speaker and digits ##psd.da
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              op $fhg.dat $tmp/histtmp.dat.oat tmp/hist.dat |awk '{print $1}'> tmp/hist1.dat.paste $tmp/histtmp.da
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cat tmp/hist.dat |awk '{print $3}'> tmp/hist3.dat,paste $tmp/histtmp.dat tmp/hist3.dat > $fhg.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -n -e ".expr ${sX_1000} + 1001', expr ${sX_1000} + 2000'p" ${fbx}.dat >> ${fbx}_PPtest.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Probability P(c_i|p_G) for Probabilistic Prediction (fpdg=$d1/ProbDistG${gibbs}${SorD})
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 echo "sed -n -e \"'expr ${sx_1000} + 1', expr ${sx_1000} + 1000'p\"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ##check#ayort t=15:fDo=t-pG${t}
##check#Exp=${dlc}/resultp_iCS${lCs}iCd${iCd}G${glbbs}-${fb0}
cat /Gev/mull > ${fbr}_PPtrain.dat ##PP:Probabilistic Prediction
for Sx_ in 0 1 2 3 4 5 6; do
d2=/media/sf_D_DRIVE/cdata/15iconip/20151005sakashita/;d2sep="_
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cmd="histmav1-onsei $x0 $ndiv $nmav ${fbr}_Ptrain.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       d2=../../2012/12voicedata/allpole;d2sep=":"
d2=../../2012/12voicedata/iconip14data;d2sep=":"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #paste $tmp/histtmp.dat tmp/hist.dat > $fhg.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    fhe=${d1}/hist-iCs${iCs}iCd${iCd}G${dd}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cat $tmp/testsd_stat.dat >> resultsum.dat
echo -e "\n" >> resultsum.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    for SorD in $SD; do ##########for SorD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /* 2000,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  fhg=$tmp/histG${gibbs}${SorD};
fpdg=$dl/ProbDistG${gibbs}${SorD}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cp $tmp/hist.eps $fhe
#gv $fhe& #disp result
cp $fhg.dat $tmp/histtmp.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PPfiles="${PPfiles} ${fbr}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            export sX_1000='expr $sX_
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /dev/null > $fpdg.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ###########################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 x0=0; ndiv=100; nmav=3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       echo $cmd1;$cmd1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       $cmq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         export t=15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       echo $cmd;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               t->psdsum.dat
5885 done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    sed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               at."
5907
5908
                                                                                                                                                                                                                                                                                                                                 5878
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              at"
5909
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5910
5911
5911
5911
5914
5916
5917
5918
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5899
5900
5901
5902
5903
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ##
5921
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5881
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5898
```

```
9956 gnuplot <<EOF

9977 set yrange [0:1.3]; set style data boxes; #set style data histeps

998 set style fill solid border lc rgb "black"

999 set term tgif/set output "$fpdg.obj"; lc rgb "blue" t "Correct Speaker", "" using 1:(\$3+\$4) lc rg

9960 plot "$fpdg.dat" using 1:(\$3+\$4) lc rgb "blue" t "Incorrect Speaker", "" using 1:(\$3+\$4) lc rg

"yellow" t "Unrecistered Speaker", "" using 1:(\$3) lc rgb "red" t "Incorrect Speaker"

961 set term postscript/set output "$fpdg.eps"/replot
                                                                     p5sum=$16+$17+$18;psum=p0sum.p1sum+p2sum+p3sum+p4sum+p5sum;printf("%e %e %e %e %e %e %e\n",$19, p0sum/psum,p
1sum/psum,p2sum/psum,p3sum/psum,p4sum/psum,p5sum/psum);}' >> $fpdg.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5951 plot "$fpdg.dat" using 1: (\$2+\$3+\$5+\$6+\$7) lo rgb "black" t "5/5", "" using 1: (\$3+\$4+\$5+\$6+\$7) lo rgb "black" t "3/5", "" using 1: (\$5+\$6+\$7) lo rgb "blue" t "4/5", "" using 1: (\$5+\$6+\$7) lo rgb "yellow" t "3/5", "" using 1: (\$6+\$7) lo rgb "green" t "1/5", "" using 1: (\$6+\$7) lo rgb "green" t "1/5", "" using 1: (\$6+\$7) lo rgb "green" t "1/5", "" using 1: (\$7) lo rgb "green" t "1/5", "" using 1: (\$7) lo rgb "green" t "1/5", "" using 1: (\$7) lo rgb "green" t "0/5" set term postsoribut set output "$fpdg.eps'raplot
oat $fhg.dat|awk '{pOsum=$1+$2+$3;plsum=$4+$5+$6;p2sum=$7+$8+$9;p3sum=$10+$11+$12;p4sum=$13+$14+$15;
                                                                                                                                                                                                                                                                                                                                                                   echo -n "#$cmd ";$cmd "
                                                                                                                                                                                                                                                                                                                                                                                                                                                psum=p0sum+p1sum+p2sum;printf("%e %e %e %e \n", %19, p0sum/psum,p1sum/psum,p2sum/psum);}' >> $fpdg.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cat ${fout}.output >> ${foutall}.output; cat ${ftgt}.target >> ${ftgtall}.target;
fpdg=ProbDistG${gibbs}${Sorb}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     for gibbs in 1 0; do
for SorD in $SD; do #for SorD in S D; do
foutall=PG${gibbs}{corD};cat /dev/null >${foutall}.output ###all
fgtaall=Call${sOrD};at /dev/null > ${fcgtall}.target
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cmd="$d0/evalloss4pg p:${fpdg}.dat t:${ftgt}.target o:${fout}.output
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           set yrange [0:1.3]; set style data boxes; #set style data histeps set style fill solid boxder lc rgb "black" set term tgif;set output "%fpdg.obj";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    unregistered sX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #1Cs=0;1Cd=0; # test correct (registered) speaker
#1Cs=1;1Cd=0; # test incorrect registered and unre
#1Cs=2;1Cd=0; # test incorrect registered
#1Cs=3;1Cd=0; # test (incorrect) unregistered sX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cat /dev/null > ${fout}, output
cat /dev/null > ${ftgt}.target
for icd in 0 1 2 3 4 5; do ###########>>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ############## copy and paste to here for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #########copy and paste from here for (2-1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #Ctgt=2?
#Ctgt=1?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cmd="gv $fpdg.eps"; echo "Exec $cmd."; $cmd&
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               d0=~/sotu/2015/can2b
d1=~/sotu/2015/result-onsei_iCsiCd_saka
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          for ics in 0 2 3; do

if ($ics = "0" ]; then Ctgt=0; fi

if ($ics = "2" ]; then Ctgt=1; fi

if ($ics = "3" ]; then Ctgt=2; fi

fout=PG$(gibbs)C$(ctgt)${$corb}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #1. SD="S"; # SD="D"; #2D="S D"; #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                = "D" ]; then
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (2-1) eval loss for S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ftgt=C${Ctgt}${SorD}
```

```
6027 # homes/kuro/sotu/2015/can2b/evalloss4gp p:ProbbistGlS.dat t:ClS.target o:PGICLS.output #LACE=0.02835 6027 # homes/kuro/sotu/2015/can2b/evalloss4gp p:ProbbistGlS.dat t:ClS.target o:PGICLS.output #LACE=0.02835 6027 # homes/kuro/sotu/2015/can2b/evalloss4gp p:ProbbistGlS.dat t:ClS.target o:PGICLS.output #LACE=0.05204 76 LNLP=0.17383 nC=3 mdata=42000 6029 #/homes/kuro/sotu/2015/can2b/evalloss4gp p:ProbbistGlS.dat t:ClS.target o:PGICLS.output #LACE=0.05204 76 LNLP=0.17383 nC=3 mdata=12600 p ProbbistGlS.dat t:CallS.target o:PGICLS.output #LACE=0.0 6730 # #homes/kuro/sotu/2015/can2b/evalloss4gp p:ProbbistGlS.dat t:ClS.target o:PGICCS.output #LACE=0.02711 6731 # homes/kuro/sotu/2015/can2b/evalloss4gp p:ProbbistGlS.dat t:ClS.target o:PGICCS.output #LACE=0.02711 6732 # homes/kuro/sotu/2015/can2b/evalloss4gp p:ProbbistGlS.dat t:ClS.target o:PGICLS.output #LACE=0.01790 6731 # homes/kuro/sotu/2015/can2b/evalloss4gp p:ProbbistGlS.dat t:ClS.target o:PGICLS.output #LACE=0.01790 6733 # homes/kuro/sotu/2015/can2b/evalloss4pg p:ProbbistGlS.dat t:ClS.target o:PGICLS.output #LACE=0.01790 6733 # homes/kuro/sotu/2015/can2b/evalloss4pg p:ProbbistGlS.dat t:ClS.target o:PGICLS.output #LACE=0.75847 66 LNLP=0.960213 LNLPP=0.960213 LNLPP=0.
                                                                                                                                                                                                                                                                                                                               0015
VOIS/can2p/evalloss4pg p:ProbDistGIS.dat t:C2S.target o:PGIC2S.output #LACE=0.0715952 LALLP=0.220935 LALLP=0.
                                                                                                                                                                                                                                                                                                                                                                                                                                             /2015/can2b/evalloss4pg p:ProbDistG1S.dat t:CallS.target o:PG1CallS.output #LACE=0.033254 LNLP=inf LNLPD=0.1
09572 nC=3 ndata=126000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /2015/can2b/evalloss4pg p:ProbDistGOS.dat t:ClS.target o:PGOClS.output #LACE=0.0181429 INLP=0.439341 INLPD=0.45513 nC=3 ndata=42000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6022 #/home/kuro/sotu
2015/can2b/evalloss4pg p:ProbDistG0S.dat t:C2S.target o:PG0C2S.output #LACE=0.762095 INLP=1.0172 INLPD=1.02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6025 ###result for gibbs=1, d2=../../2012/12voicedata/iconip14data:d2sep=":"
6026 ##home/kuro/2015/can2b/evatloss46p PiProbDistGIS.dat t:C08.target o:PGIC08.output #LACE=0.00354
762 IAND=0.00904049 IANDPO-0.00919557 nC=3 ndata=42000
                                                                              6016 #/Nome/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistGIS.dat t:COS.target o:PG1COS.output #LACE=0.00311
905 LNLP=0.00820782 LNLPD=0.0110817 nC=3 ndata=42000
                                                                                                                                                                            6017 #/home/kuro/sotu #/home/kuro/sotu #LACE=0.0250476 INLP=inf INLPD=0.0966
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6020 #/home/kurzo/sotu #/Acan2b/evalloss4pg p:ProbDistG0S.dat t:C0S.target o:PG0C0S.output #LACE=0.0260714 LNLP=0.13552 LNLPD=0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6023 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistGOS.dat t:CallS.target o:PGOCallS.output #LACE=0.2 6877 LNLP=0.530689 LNLPD=0.548739 nC=3 ndata=126000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistG0S.dat t:CallS.target o:PG0CallS.output #LACE=0.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ###### for iCs in 0 0; do #for iconip2015 with SD="D" ########!!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               fb0=t-pd${t}${sorD}
fb0=t-pd${tCs}icd${icd}g${gibbs}_s{fb0}}
#cat ${fbx}_b=1c6${icd}{fcut}.output
eat ${fbx}_b=Ptest.dat >> ${fout}, output
i=1.3wille [ $i -le 7000 ] : $d echo "${Ctgt}" >> ${ftgt}.target; if [ `expr $i $ 500` = "0" ] ; then
'', fi, i='expr $i + 1', done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cmd="$d0/evalloss4pg p:${fpdg}.dat t:${ftgtall}.target o:${foutall}.output"; echo -n "#$cmd";$cmd;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cat ${fout}.output >> ${foutall}.output; cat ${ftgt}.target >> ${ftgtall}.target; ###all fpdg=ProbDistG${gibbs}${Sorb}
                                         ##result for gibbs=1, d2=../../2012/12voicedata/iconip14data;d2sep=":"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cd $d1;
for gibbs in 1 0; do #for SorD in S D; do 
fortsall=PG${gibbs}Call${SorD}.cat /dev/null >${foutall}}.output ###all
fugtall=Call${SorD}:cat /dev/null > ${fugtall}.target
for icd in 0 1 2 3 4 5; do #############*>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cmd="$d0/evalloss4pg p:${fpdg}.dat t:${ftgt}.target o:${fout}.output"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              \#(2-2) eval loss for D #######copy and paste from here for (2-2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     67833 LNLP=0.518224 LNLPD=0.536852 nC=3 ndata=126000
########copy and paste to here for (2-1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               done #for SorD
done #for gibbs
#######copy and paste to here for (2-2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 d1=~/sotu/2015/result-onsei_iCsiCd_saka
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cat /dev/null > {fout}.cotput
cat /dev/null > {ftgt}.target
for iCs in 0 2 3; do ####
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               fout=PG${gibbs}C${Ctgt}${SorD}
ftgt=C${Ctgt}${SorD}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "S"="D"; #SD="S";# SD="S"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  -n "#$cmd ";$cmd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       d0=~/sotu/2015/can2b
                                                                                                                                                                                                                                                                                                                                                                                              220935 nC=3 ndata=42000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         165152 nC=3 ndata=42000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                done #for iCs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #for icd
                                                                                                                                                                                                                                                                      982 nC=3 ndata=42000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               355 nC=3 ndata=42000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ctgt=$icd;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6024
```

1 MALP-0, 995418 INLEPEL. 0005 NC-6 Endata=21000 6089 # home. Navigation of the Navi 6 LMLP=0.996135 IMLPD=1.01199 nC=6 ndata=21000 6072 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistGID.dat t:C2D.target o:PGIC2D.output #LACE=0.04709 5072 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistGID.dat t:C3D.target o:PGIC3D.output #LACE=0.02890 6073 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistGID.dat t:C3D.target o:PGIC3D.output #LACE=0.02890 6073 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistGID.dat t:C4D.target o:PGIC4D.output #LACE=0.02890 6074 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistGID.dat t:C4D.target o:PGIC4D.output #LACE=0.204 L 1 MILPO 10 6998 IMIDDO 1.33217 NC=6 matea=21000 6079 # Home/Nuclos 6041/2015/caniby-evaluosaspep principles and construction Mile of the Mile of the Mile of Mile o 6099 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistGOD.dat t:G3D.target o:PGGC3D.output #LACE=0.89142 MLDE-0.67354 LMLDP-1.755 mce indate=21000 6099 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistGOD.dat t:C4D.target o:PGGC4D.output #LACE=0.67571 4 LNLP=0.861829 LNLPD=1.19678 nC=6 ndata=21000 6100 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistGOD.dat t:C5D.target o:PGGC5D.output #LACE=0.003 L NLP=0.544394 LNLPD=0.558356 nC=6 ndata=21000 6101 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistGOD.dat t:CallD.target o:PGGC5D.output #LACE=0.05 6075 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbbistGlD.dat t:C5D.target o:PGIC5D.output #LACE=0.00138 057 LALP-0.23684 LIND=0.23616 nC=6 mdata=21000 607 LALP-0.23684 LIND=0.23616 nC=6 mdata=21000 6076 #/home/kuro/sotu/2015/can2b/evalloss4pg p:PorbbistGlD.dat t:CallD.target o:PGICallD.output #LACE=0.2 04649 LNND=0.381226 LNND=0.39478 nC=6 mdata=126000 6077 #### result for gibbs=0 d2=..././2012/12voicedataiconipl4dataid2sep=""" (0.00.target o:PGIC0D.output #LACE=0.02038 6078 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbbistGlD.dat t:C0D.target o:PGIC0D.output #LACE=0.02038 6084 #/home/kuro/sotu/2015/can2D/evalloss4pG p:ProbDistG0D.dat t:CallD.target o:PG0CallD.output #LACE=0.5 99349 INLP=0.670201 INLPD=1.34502 nC=6 ndata=126000 6086 #### result for gibbs=1 d2=/media/sf_D_DRIVE/cdata/15iconip/20151005sakashita/;d2sep="_" ### result for "for iCs in 0 0 0; do" <### same as result of Fig3 in iconip2015 6087 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistGID.dat t:C0D.target o:PGIC0D.output #LACE=0.015 I 6106 #/home/kuro/sotu/2015/can2b/evalloss4pG p:ProbDistGlD.dat t:C2D.target o:PGIC2D.output #LACE=0.05142 Bc LNLP=0.129791 nC=6 hada==21000 6107 #/home/kuro/sotu/2015/can2b/evalloss4pG p:ProbDistGlD.dat t:C3D.target o:PGIC3D.output #LACE=0.05814 6107 #/home/kuro/sotu/2015/can2b/evalloss4pG p:ProbDistGlD.dat t:C3D.target o:PGIC3D.output #LACE=0.05814 510 NLP=0.16212 IMLPD=0.180976 nC=6 hada==21000 6108 #/home/kuro/sotu/2015/can2b/evalloss4pG p:ProbDistGlD.dat t:C4D.target o:PGIC4D.output #LACE=0.12871 4 IMLP=0.27072 IMLD=0.272206 nC=6 hada==21000 6070 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistGID.dat t:C0D.target o:PGIC0D.output #LACE=0.01542 86 LNLP=0.487104 LNLPD=0.505565 nC=6 ndata=21000 INID=0.396237 INIDD=0.411218 nC=6 ndata=21000 6105 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbbistGlD.dat t:ClD.target o:PGlClD.output #LACE=0.79957 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistG1D.dat t:C1D.target o:PG1C1D.output #LACE=0.93228 6103 #### result for gibbs=1 d2=../../2012/12voicedata/allpole;d2sep=":" #### result for "for iCs in 0 0 0; do" same as above 6104 .#/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistGlD.dat t:COD.target o:PGlC0D.output #LACE=0.015 ### result for gibbs=1 d2=../../2012/12voicedata/iconip14data;d2sep=":" 64905 LNLP=0.687181 LNLPD=1.20611 nC=6 ndata=126000 1 LNLP=0.995418 LNLPD=1.0096 nC=6 ndata=21000 NLP=0.289884 INLPD=0.296209 nC=6 ndata=21000 6075 #/home/kuro/sotu/2015/can2b/evalloss NLP=0.108757 LNLPD=0.111188 nC=6 ndata=21000

6109 #/home/kuro/sotu/2015/can2b/evalloss4pG p:ProbDistGlD.dat t:C5D.target o:PGlC5D.output #LACE=0.023 L

```
6114 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbbistGOD.dat t:C2D.target o:PGGCID.output #LACE=0.98614 6115 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbbistGOD.dat t:C2D.target o:PGGC2D.output #LACE=0.81785 7 LNLP=0.680088 LNLPP=1.68285 nC=6 mdata=21000 6115 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbbistGOD.dat t:C3D.target o:PGGC3D.output #LACE=0.89142 9 LNLP=0.676354 LNLPD=1.7526 nC=6 ndata=21000 6116 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbbistGOD.dat t:C4D.target o:PGGC4D.output #LACE=0.67571 6117 #/home/kuro/sotu/2018/ran-20100 6117 #/home/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                29 INIP=0.0998847 INIPD-0.117324 nG-6 ndata=2100

6125 #Nomerkuro/sotu/2015/can2b/evalloss4pg p:ProbbistGID.dat t:C4D.target o:PGIG4D.output #LACE=0.204 L

NLP=0.292467 INIPD=0.302644 nG=6 ndata=21000

6126 #Nomerkuro/sotu/2015/can2b/evalloss4pg p:ProbbistGID.dat t:C5D.target o:PGIC5D.output #LACE=0.00071

6127 #Nomerkuro/sotu/2015/can2b/evalloss4pg p:ProbbistGID.dat t:C3D.target o:PGIC5D.output #LACE=0.00071

6127 #Nomerkuro/sotu/2015/can2b/evalloss4pg p:ProbbistGID.dat t:CallD.target o:PGIC5D.output #LACE=0.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NLP=0.544394 INLPD=0.558326 nC=6 ndata=21000
File #thome/knrov5catt/2015/canibs/evathlosas406 p:rvobbistGOD.dat t:CallD.target o:PGOCallD.output #LACE=0.5
64995 INLP=0.667181 INLPD=1.20611 nC=6 ndata=126000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 43 INID=0.483913 INID=0.503335 nc=6 ndata=21000
6122 #/home/kuro/sout/2015/can2be/evalloss4pG p:ProbbistGlD.dat t:ClD.target o:PGlClD.output #LACE=0.92814
6123 #/home/kuro/sout/2015/can2be/evalloss4pG p:ProbbistGlD.dat t:ClD.target o:PGlClD.output #LACE=0.92814
6123 #/home/kuro/sotu/2015/can2b/evalloss4pG p:ProbbistGlD.dat t:ClD.target o:PGlClD.output #LACE=0.049 L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6127 #/home/kuro/sotu/2015/can2b/evalloss4pg p.ProbDistGlD.dat t:CallD.target o:PGlCallD.output #LACE=0.2 04286 INLP=0.378127 INLPD=0.39332 nC=6 ndata=126000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistG0D.dat t:C2D.target o:PG0C2D.output #LACE=0.73 LN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    6132 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbbistGOD.dat t:C3D.target o:PGOC3D.output #LACE=0.96142 p:LNLP=0.63766 LNLPD=1.86358 nC=6 ndata=21000 e133 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbbistGOD.dat t:C4D.target o:PGOC4D.output #LACE=0.87757 1 LNLP=0.70784 LNLPD=1.55488 nC=6 ndata=21000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     571 INT.P=0.592511 INT.PD=0.619936 nC=6 ndata=21000
6135 #/home/kurv.0218/can2b/evalloss469 p:ProbDistGOD.dat t:CallD.target o:PGOCallD.output #LACE=0.5
97524 INT.P=0.671256 INT.PD=1.33966 nC=6 ndata=126000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6124 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistGlD.dat t:C3D.target o:PG1C3D.output #LACE=0.03114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6134 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistGOD.dat t:C5D.target o:PGOC5D.output #LACE=0.00728
#/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistG0D.dat t:C0D.target o:PG0C0D.output #LACE=0.01528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistG1D.dat t:C0D.target o:PG1C0D.output #LACE=0.01271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C3,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            \#(2-3) eval loss for D with the combied class new class C0,C1,\ldots,C4 for old \{C0 \setminus CUP \subset C1\},
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ### result for gibbs=1 d2=../../2012/12voicedata/iconip14data;d2sep=":" ### result for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ###### for iCs in 0 0; do #for iconip2015 with SD="D" ###########!!!!!!!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            fpdg4=ProbDistG8(gibbs)$(SorD)4
cat /dev/null > $(fpdg4).dat
for SorD in $$D$ id o#for SorD in $ D i do
cat $(fpdg).dat |awk '{print $1,$2+$3,$4,$5,$6,$7}' >> $(fpdg4).dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   fbr=resultp_iCs${iCs}iCd${iCd}G${gibbs}_${fb0}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #########copy and paste from here for (2-3) d0=~/sotu/2015/can2b d1=~/sotu/2015/result-onsei_iCsiCd_saka
                                                   57 LNLP=0.74212 LNLPD=0.792684 nC=6 ndata=21000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NLP=0.179564 LNLPD=0.203926 nC=6 ndata=21000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NLP=0.518033 LNLPD=1.34533 nC=6 ndata=21000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LP=0.713465 LNLPD=1.72322 nC=6 ndata=21000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              fout=PG${gibbs}C${Ctgt}${SorD}4
ftgt=C${Ctgt}${SorD}4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cat /dev/null > ${fout}.output
cat /dev/null > ${ftgt}.target
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            fpdg=ProbDistG${gibbs}${SorD}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SD="D"; #SD="S D";# SD="S";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      if [ $icd -ne 1 ] ; then
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               fb0=t-pG${t}${sorD}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           done #for gibbs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              for gibbs in 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             done #for SorD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ctgt=$iCd4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #######
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cd $dl;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0 0 0; do'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               6121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CS
```

#cat \${fbr}_PPtrain.dat >> \${fout}.output

```
6185 ############# d2=../../2012/12voicedata/iconipl4data:d2sep=":"
6186 #result for gibbs=1 d2=../../2012/12voicedata/iconipl4data:d2sep=":"
6187 #Home/kuro/sotu/2015/can2b/evalloss4g0 p:ProbDistG1D4.dat t:C0D4.target o:PG1C0D4.output #LACE=0.02
6187 #Jhome/kuro/sotu/2015/can2b/evalloss4g0 p:ProbDistG1D4.dat t:C1D4.target o:PG1C1D4.output #LACE=0.04
6188 #Jhome/kuro/sotu/2015/can2b/evalloss4g0 p:ProbDistG1D4.dat t:C1D4.target o:PG1C1D4.output #LACE=0.04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6192 #/home/kuro/sotu/2015/can2b/evalloss4pG p:ProbDistGlD4.dat t:callD4.target o:PGlCallD4.output #LACE=0.48219 #NxLP0-1.371 KALPD=0.142893 #NxD-6. Rdata=147000 6193 #reault for gibbs=0 d2=....../2012/12voicedata/iconip14data:d2sep=":" 6194 #/home/kuro/sotu/2015/can2b/evalloss4pG p:ProbDistGOD4.dat t:c0D4.target o:PGOCD4.output #LACE=0.10 6195 #/home/kuro/sotu/2015/can2b/evalloss4pG p:ProbDistGOD4.dat t:c0D4.target o:PGOCD4.output #LACE=0.10 6195 #/home/kuro/sotu/2015/can2b/evalloss4pG p:ProbDistGOD4.dat t:c1D4.target o:PGOC1D4.output #LACE=0.73 6762 INLPD=1.72339 nc=5 ndata=21000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          6201 #### result for gibbs=1 d2=/media/sf_D_DRIVE/cdata/15iconip/20151005sakashita/;d2sep="_" #### result for for for 10 or do" *### same as result of Fig3 in iconip2015 6202 #Home/kuro/sctu/2015/canDb/evalloss4pG p:ProbDistG1D4.dat t:C0D4.target o:PG1C0D4.output #LACE=0.02 17857 LNLp=0.0550923 LNLpD=0.0611775 nC=5 ndata=42000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6204 #/home/kuro/sotu/2015/can2b/evalloss4pG p:ProbDistGlD4.dat t:C2D4.target o:PGlC2D4.output #LACE=0.05 #149 LMNLP=0.1621Z MixDP=0.180976 n.C=5 ndata=21000 6205 #/home/kuro/sotu/2015/can2b/evalloss4pG p:ProbDistGlD4.dat t:C3D4.target o:PGlC3D4.output #LACE=0.12 8714 LMLP=0.27072 LMLpD=0.272206 n.C=5 ndata=21000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6207 #/home/kuro/sotu/2015/can2b/evalloss4pG p:ProbDistdlD4.dat t:CallD4.target o:PG1CallD4.output #LACE=0.043398 LNLP-0.122701 LNLPD-0.130521 nG-5 ndata=147000
6208 #### result for gibbs=1 d2=/media/sf_D_DFUVB/cdata/15iconip/20151005sakashita/;d2sep="_" #### result for incomparation of 0 0; do" <### same as result of Fig3 in iconip2015
6209 #/home/kuro/sotu/2015/can2b/evalloss4pG p:ProbDistG0D4.dat t:C0D4.target o:PG0CD4.output #LACE=0.09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             7286 LNLP=1.0923 LNLPD-1.68285 nC=5 ndata=21000 6211 #/home/kuro/sotu/2015/can2b/evalloss4pG p:ProbDistGOD4.dat t:C2D4.target o:PGOC2D4.output #LACE=0.89 1429 LNLP=0.824134 LNLPD=1.7526 nC=5 ndata=21000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #result for gibbs=1 d2=../../2012/12voicedata/iconip14data/d2sep=":" #### result for "for iCs in 0 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6218 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistGlD4.dat t:COD4.target o:PGICOD4.output #LACE=0.02 at 31.3 LNLP=0.01 LNLPD=0.0644127 nc=5 ndata=42000 c219 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistGlD4.dat t:ClD4.target o:PGICID4.output #LACE=0.04 9 LNLP=0.19314 LNLPD=0.203926 nc=5 ndata=210000 course course
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #LACE=0.02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #LACE=0.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #LACE=0.98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #LACE=0.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #LACE=0.02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #LACE=0.67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6213 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistG0D4.dat t:C4D4.target o:PG0C4D4.output #LACE=0.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6220 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistGlD4.dat t:C2D4.target o:PGLC2D4.output #LACE=0.03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #LACE=0.87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          6199 #/home/kuro/sotu/2015/can2b/evalloss4pG p:ProbDistG0D4.dat t:CallD4.target o:PG0CallD4.output #LACB=0.40598 INLP=0.632364 INLPD=1.02852 nC=5 ndata=147000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LNLP=0.544394 LNLPD=0.558326 nC=5 ndata=21000 -
6214 #/home/kuro/sotu/2015/can2b/evalloss4pG p:ProbDistG0D4.dat t:CallD4.target o:PG0CallD4.output #LACE=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cmd="$d0/evalloss4pg p:${fppg4}.dat t:${ftgtall}.target o:${foutall}.output"; echo -n "#$cmd";$cmd;
cat ${fbr}_PPtest.dat >> ${fout}.output
i=1:while [ $i -le 7000 ] ;do echo "${Ctgt}" >> ${ftgt}.target; if [ `expr $i $ 500` = "0" ] ; then
"."; fi; i='expr $i + 1'; done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6197 #/home/kuro/sotu/2015/can2b/evalloss4gG p:ProbDistG0D4.dat t:C3D4.target o:PG0C3D4.output #681 IMILPG-0.78953 IMILPG-1.5515.nc=5 ndata=21000 6198 #/home/kuro/sotu/2015/can2b/evalloss4pG p:ProbDistG0D4.dat t:C4D4.target o:PG0C4D4.output #88952 IMILPG-0.6008 IMILPG-0.634509 nc=5 ndata=21000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6189 #/home/kuro/sotu/2015/can2b/evalloss4pG p:ProbDistGlD4.dat t:C2D4.target o:PGlC2D4.output 989048 LNLP=0.0986392 LNLPD=0.115061 nC=5 ndata=21000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6191 #/home/kuro/sotu/2015/can2b/evalloss4pG p:ProbDistGlD4.dat t:C4D4.target o:PGlC4D4.output 3138095 INIP=0.228384 INIPD=0.238384 INIPP=0.238384 INIPP=0.23884 INIPP=0.28884 INIPP=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    6196 #/home/kuro/sotu/2015/aan2b/evalloss4pG p:ProbDistG0D4.dat t:C2D4.target o:PG0C2D4.output 37429 LNLP=0.817889 LNLPD=1.87119 nC=5 ndata=21000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6212 #/home/kuro/sotu/2015/can2b/evalloss4pG p:ProbDistG0D4.dat t:C3D4.target o:PG0C3D4.output 35714 LNLP=0.864123 LNLPD=1.19678 nC=5 ndata=21000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6190 #/home/kuro/sofu/2015/can32/evalloss496 p:ProbDistGiD4.dat t:C3D4.target o:PGIC3D4.output 4 IANIP=0.289884 IANIPD=0.296209 nC=5 ndata=21000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6203 #/home/kuro/sotu/2015/can2b/evalloss4pG p:ProbDistGlD4.dat t:ClD4.target o:PGlClD4.output 14286 IMLP=0.200484 IMLPD=0.219791 nC=5 ndata=21000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6206 #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistGlD4.dat t:C4D4.target o:PGlC4D4.output 3 LNLP=0.108757 LNLPD=0.111188 nC=5 ndata=21000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistG0D4.dat t:ClD4.target o:FG0C1D4.output
                                                                                                                                                                                                                                                                                                                                                                                                                                              cat ${fout}.output >> ${foutall}.output; cat ${ftgt}.target >> ${ftgtall}.target; ##all
if [ $icd -ne 0 ]; then
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               if [ $iod -ne 0 ] : then
fpdg4=ProbbistG${bxD}4
fpdg4=ProbistG${fout}.output"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.375429 LNLP=0.593527 LNLPD=0.891944 nC=5 ndata=147000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               70952 LNLP=0.201527 LNLPD=0.207524 nC=5 ndata=21000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    54286 LNLP=0.289083 LNLPD=0.393362 nC=5 ndata=42000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "#$cmd ";$cmd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         done #for gibbs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             done #for SorD
                                                                                                                                                                                                                                                                                                                                                                      done #for iCs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   done #for icd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               echo -n
                                                                                                                                                                                                            echo -n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; do"
                                                                                                                                                                                                                                                                                                                                                                                                                                                        6175
6176
6177
6178
6179
6180
6181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ###a11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6184
```

```
sleep 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cd $d1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 quit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ďρ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6320
6321
6322
\begin{array}{c} 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.00 \ 0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0429 INLE 0.395616 INLED 0.501917 NC=5 ndata=42000
6226 #/homes/kuro/sotu/2015/canzb/evalloss4pg p:ProbbistGOB4.dat t:ClD4.target o:PGGClD4.output #LACE=0.77
5143 IANLD=1.0349 IANLD=1.12322 nC=5 ndata=21000
6227 #/homes/kuro/sotu/2015/canzb/evalloss4pg p:ProbbistGOD4.dat t:ClD4.target o:PGGClD4.output #LACE=0.75
6227 #/homes/kuro/sotu/2015/canzb/evalloss4pg p:ProbbistGOD4.dat t:C2D4.target o:PGGC2D4.output #LACE=0.96
6228 #/homes/kuro/sotu/2015/canzb/evalloss4pg p:ProbbistGOD4.dat t:C3D4.target o:PGGC3D4.output #LACE=0.87
7571 IANLD=0.593697 IANLD=1.55488 nC=5 ndata=21000
6228 #/homes/kuro/sotu/2015/canzb/evalloss4pg p:ProbbistGOD4.dat t:C4D4.target o:PGGC3D4.output #LACE=0.87
75571 IANLD=0.593693 IANLD=0.619936 nC=5 ndata=21000
726571 IANLD=0.593693 IANLD=0.619936 nC=5 ndata=21000
726571 IANLD=0.631888 IANLD=0.619936 nC=5 ndata=21000
6230 #/homes/kuro/sotu/2015/canzb/evalloss4pg p:ProbbistGOD4.dat t:CallD4.target o:PGGC4D4.output #LACE=0.00
726571 IANLD=0.631888 IANLD=0.619936 nC=5 ndata=447000 nC=0.40473 IANLD=0.63188 IANLD=0.6318 IANLD=0.63188 IANLD=0.63188 IANLD=0.63188 IANLD=0.63188 IANLD=0.63188 IANLD=0.63188 IANLD=0.63188 IANLD=0.63188 IANLD=0.6318 IANLD=0.63188 IANLD=0.6318 IANLD=0.63188 IANLD=0.6318 IANLD=0.6318 IANLD=0.6318 IANLD=0.6318 IANLD=0.6318 IANLD=0.6318 IANLD=0.6318 IANLD=0.6318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6222 #/home/kuro/sotu/2015/can2b/evalloss4pG p:ProbDistGlD4.dat t:C4D4.target o:PGlC4D4.output #LACE=0.00 0714286 LNLP=0.227756 LNLP=0.228644 nC=5 ndata=21000 0623 #/home/kuro/sotu/2015/can2b/evalloss4pG p:ProbDistGlD4.dat t:CallD4.target o:PGlCallD4.output #LACE=0.048102 LNLP=0.134785 LNLDP=0.134785 LNLDP=0.134785 LNLDP=0.134785 LNLDP=0.12485 LNLPD=0.12485 LNLPD=
                                                                                                                                                                                                                                                                                                                                                                                                                                               #/home/kuro/sotu/2015/can2b/evalloss4pg p:ProbDistG0D4.dat t:C0D4.target o:PG0C0D4.output #LACE=0.10
                                                   evalloss4pG p:ProbDistGlD4.dat t:C3D4.target o:PGlC3D4.output #LACE=0.20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  fbE=${d1}/resultp_1G${icg}idd}{gtbbs}-${fb0}

car /dev/nnll > ${fb0}.dat

##econ "goc,r.,n,goc,gcd" >> ${fb0}.dat

car psdsum.dat|awk' BGIN[tanlrROM["t"];}{if($l=t){print $4,50;}}' >> ${fb0}.dat

cmdl="cp ${fb0}.dat ${fbr}.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #for ics in 0 2 3; do ilcs=0; #kr result of this line is submitted for iconip2015 <<== 原因は7か! cat /dev/null > resultsum.dat cat /dev/null > pedsum.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cat $tmp/psd.dat >> psdsum.dat ######### <== speakerdigit_v5.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   tmp-./tmp;if [ ! -e $tmp ]; then mkdir $tmp;fi
dl=../result-onsei_iCsiCd_d; if [ ! -e $dl ]; then mkdir $dl;fi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #for GEBI papad:pa:pad
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #for BI pApAd:pA:pAd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (1) 原因判明:iconip2015 の良い結果は、ics=0 としていたから!
これは、話者照合が成功したときだけ数字識別を行うときに有?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      o card deviuni > ${fbr}_head.dat

'' #head -n 3500 ${fbr}_tai.dat | card deviuni > ${fbr}_tai.dat | card -n '1,1000p ' ${fbr}_tai > 30 *fbr}_tai.dat | card -n '1001,200p ' ${fbr}_tai > 3(fbr}_tai.dat | card -n '3001,400p ' ${fbr}_tai > 3(fbr}_tai.dat | card -n '4001,400p ' ${fbr}_tai > 3(fbr}_tai.dat | card -n '5001,600p ' ${fbr}_tai > 3(fbr}_tai.dat | card -n '7001,8000p ' ${fb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #####for confirmation 20151008 below sakashita
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11429 LNLP=0.0998847 LNLPD=0.117324 nC=5 ndata=21000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cat $tmp/testsd_stat.dat >> resultsum.dat
echo -e "\n" >> resultsum.dat
                                                   6221 #/home/kuro/sotu/2015/can2b/evalloss4pG
4 LNLP=0.292467 LNLPD=0.302644 nC=5 ndata=21000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  pAs=0.99;pAd=0.80;T=5;TT=15;gibbs=0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          dlc=../result-onsei_iCsiCd_saka;
for gibbs in 1 0; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #### cut and pase from here
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      fhg=$tmp/histG${gibbs}.dat
cat /dev/null > $fhg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ##########################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                export t=15;fb0=t-pG${t}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ##########################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               echo $cmdl;$cmdl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #2015/10/08
                                                                                                                                                                                                                                                                                                                                                                                                      0; do"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6225
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6264
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6236
```

```
readmecan2mspeech.txt
Dec 05 2019 13:52:41
```

```
. 6310 cat $fbg|awk '{psum=$3+$7+$11+$15+$19+$23+1e-20;printf("%e %e %e %e %e %e %e %n", $1, $3/psum, $7/ps um, $11/psum, $15/psum,$19/psum, $23/psum);}'>> $fpdg 6311 done # for gibbs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          6316 set style data boxes; #set style data histeps
6317 set tsyle fall solid boxder 10 trgb "black"
6318 set term tgif.set output "probblstd1.obj";
6319 plot "probblstd1.dat" using 1:(\$3+\$5+\$6+\$7) lc zgb "plack" t "5/5" "" using 1:(\$3+\$6+\$7) lc zgb "yellow" t "3/5", "" using 1:(\$5+\$6+\$7) lc zgb "yellow" t "3/5", "" using 1:(\$5+\$6+\$7) lc zgb "yellow" t "3/5", "" using 1:(\$5+\$6+\$7) lc zgb "yellow" t "3/5", "" using 1:(\$6+\$7) lc zgb "yellow" t "3/5", "" using 1:(\$6+\$7) lc zgb "plack" t "3/5", "" using 1:(\$6+\$7) lc zgb "yellow" t "3/5", "" using 1:(\$6+\$7) lc zgb "yellow" t "3/5", "" using 1:(\$6+\$7) lc zgb "yellow" t "3/5", "" using 1:(\$6+\$7) lc zgb "plack" t "3/6", "" using 1:(\$6+\$7) lc zgb "plack" t "3/6"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cat /dev/null > $fpdg
#cat /ffng|awk '{psum=$3+$7+$111+$15+$19+$23+$27+$31+$35+$39+$43+$47+$51+$55+$59+$63+$67+$71+1e-20;p0s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  um=$3+$7+$11.plsum=$15+$19+$23.p2sum=$27+$31+$35.p3sum=$39+$43+$47.p4sum=$51+$55+$59.p5sum=$63+$67+$71.print
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               f("%e %e %e %e %e %e %ln", $1, pOsum/psum, plsum/psum, p2sum/psum, p3sum/psum,p4sum/psum, p5sum/psum);}'>>
Rpbdd
6310 cat $fhg|awk '{psum=83.487.4811-$15+$19+$23+1e-20;printf("%e %e %e %e %e %e %ln", $1, $3/psum, $7/ps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   <del>********************************</del>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ]; then mkdir $tmp;fi
|: if [ ! -e $d1 ]; then mkdir $d1;fi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #for GEBI pApAd:pA:pAd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      pApAd:pA:pAd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                set term postscript;set output "Probbistd1.eps";replot
#set style data boxes; #set style data histeps
#set style fill solid boxder lo rgb "black"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           set term postscript;set output "ProbDistGO.eps";replot
                                                         '9001,10000p' ${fbr}.dat>> ${fbr}_tail.dat
'10001,11000p' ${fbr}.dat >> ${fbr}_taad.dat
'11001,12000p' ${fbr}_taat> ${fbr}_tail.dat
'12001,13000p' ${fbr}_tait> ${fbr}_taad.dat
'13001,13000p' ${fbr}_dat>> ${fbr}_tail.dat
'13001,14000p' ${fbr}_dat>> ${fbr}_tail.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cmd="histmav1-onsei $x0 $ndiv $nmav ${fbr}_head.dat"
      '8001,9000p' ${fbr}.dat>> ${fbr}_head.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                for icd in 0 1 2 3 4 5; do ###############*>
if [ $gibbs -eq 1 ]; then
pAs=0.80;pAd=0.96;T=5;TT=15;gibbs=1; #for GEB:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #for BI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      fhe=${d1}/hist-ics${ics}icd${icd}G${gibbs}.eps
op $tmp/hist.eps $fhe
                                                                                                                                                                                                                                                                                                                                                                                              paste $tmp/histtmp.dat tmp/hist.dat > $fhg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               set term tgif;set output "ProbDistG0.obj"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      dl=../result-onsei_iCsiCd; if [ ! -e $dl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #####for confirmation 20151008 above
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  combinedby Sakashita
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                pas=0.99;pad=0.80;T=5;TT=15;gibbs=0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  export SorD="S"; #speaker or digit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     export SorD="D"; #speaker or digit
tmp=./tmp;if [ ! -e $tmp ]; then mk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      fpdg=$d1/ProbDistG${gibbs}.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         fi
for iCs in 0 2 3; do ###
cat /dev/null > resultsum.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ### copy and paste from here
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              for gibbs in 1 0; do
fhg=$tmp/histG${gibbs}.dat
cat /dev/null > $fhg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ### copy and paste to here
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       $fhg $tmp/histtmp.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                        x0=0;ndiv=100;nmav=3
#sed -n '8001,9000p
#sed -n '10001,11000
#sed -n '1001,11200
#sed -n '12001,1200
#sed -n '12001,1300
#sed -n '13001,1400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              set yrange [0:1.3]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ProbDistG1.eps&
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ProbbistG0.eps&
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ##数字 and 話者
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              echo $cmd; $cmd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       gnuplot <<EOF
```

```
done #for gibbs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       done #for sX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              export t=15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    fb0 for digits
6484 #cat psdsu
>fb0 for speakers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      t->psdsum.dat
6475 done #
                                                                      6478
6479
6480
6481
6482
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6474
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6476
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6485
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    6483
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6486
                                                                                                                                                                                                                                                                                                                     6422 set tyrage [0.13]; set style data boxes; #set style data histeps
6424 set term tgif/set output "probbletG${gibbs}.obj";
6425 set tyrage [0.12] and border lc rgb "black" brobbletG${gibbs}.obj";
6425 plot "probbletG${gibbs}.dat" using 1:(\$5+\$5+\$6+\$5)] lc rgb "black" t "5/5", "" using 1:(\$5+\$6+\$7)] lc rgb "blue" t "4/5", "" using 1:(\$5+\$6+\$7)] lc rgb "pellow" t "3/5", "" using 1:(\$5+\$6+\$7)] lc rgb "red" t "2/5", "" using 1:(\$6+\$7)] lc rgb "green" t "1/5", "" using 1:(\$6+\$7)] lc rgb "green" t "1/5", "" using 1:(\$6+\$7)] lc rgb "green" t "1/5", "" using 1:(\$7)] lc rgb "pi
                                                                                     6365 cmd="speakerdigit_v5 fs:../.../2012/12voicedats/${trainDS}\oob4s:-1N40mbas2:300:1.6:1sx${sx}.y fd:../
.../2012/12voicedata/iconip14data/oob4d:-1N100mbas2:300:1.6:1sx${sx}.y nSDL:7:10:10 pmin:0.01 ytm:1:0.9:1000
gibbs:$qibbs beta:1 sdP:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 pApad:${pas}:${pad} LaR:
0:0:-1 test:5:2000:${ico}:${ico}:${ico}:$*cet.da -> resultsum.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #######for SorD in $SD; do #########for SorD op $fing $1}'> tmp/hist1.dat;paste $tmp/histtmp.dat tm
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cat $tmp/psd.dat >> psdsum.dat ######## <== speakerdigit_v5.c ,pg for speaker and digits ##psd.da
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cat $fbg|awk '{p0sum=$1+$4+$7+$10+$13+$16;plsum=$2+$5+$8+$11+$14+$17;p2sum=$3+$6+$9+$12+$18+psum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cp $tmp/hist.eps $fhe
    #gry $fhec #disp result

gp $fine $tmp/hist.mp.dat | awk '{print $3}' > tmp/hist3.dat/paste $tmp/histtmp.dat tmp/hist3.dat > $fhg ###
#paste $tmp/hist.mp.dat tmp/hist.dat > $fhg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cat /dev/null > ${fbr}_Pptrain.dat
cat /dev/null > ${fbr}_Pptrain.dat
cat /dev/null > ${fbr}_Pptest.dat
for sX in 0.1 2.3 4.5 6; do
export sX1000-*expr $$x \* 1000.
sed -n = "*expr ${$x1000} + 11.\'`*expr ${$x1000} + 1000'p" ${fbr}.dat >> ${fbr}_Pptrain.dat
sed -n = "*expr ${$x1000} + 1001', *expr ${$x1000} + 2000'p" ${fbr}_Aat >> ${fbr}_Pptrain.dat
sed -n - "*expr ${$x1000} + 1001', *expr ${$x1000} + 2000'p" ${fbr}_Aat >> ${fbr}_Pptrest.dat
cat /dev/null > psdsum.dat cot /dev/null > psdsum.dat cot /dev/null > psdsum.dat cot /dev/null > psdsum.dat cot x in 0 1 3 4 6 f do sp=-1; test:test->xid:test->xi:test->xids:th->T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              posum+plsum+p2sum;printf("%e %e %e %e\n", $19, posum,psum,plsum/psum,p2sum/psum);}' >> $fpdg
                                                                                                                                                                                                                                    x0=0;ndiv=100;nmav=3
cmd="histmav1-onsei $x0 $ndiv $nmav ${fbr}_PPtrain.dat"
                                                                                                                                                                                                                                                                                        moving average
                                                                        trainDS=iconip14data; # trainDS=allpols; # choose
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          fhe=${d1}/hist-iCs${iCs}iCd${iCd}G${gibbs}.eps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #################pistgram by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cmd1="cp ${fb0}.dat ${fbr}.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                fpdg=$d1/ProbDistG${gibbs}.dat
                                                                                                                                                                                "\n" >> resultsum.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  [ "$SorD" = "D" ]; then
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #######done # for SorD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #########################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ############################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cat /dev/null > $fpdg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           echo $cmdl;$cmdl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           echo $cmd; $cmd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               p/histl.dat > $fhg ###
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          done # for iCs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    done #for sX
                                                                                                                                                                                                                                                                                                         export t=15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #########
                                                                                                                                                                                echo -e
                                                                                                                                                                                                                    t->psdsum.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ####
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             else
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6415
                                                                                                                                                                                                                                      6369
                                                                                                                                                                                                 6368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6382
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          6381
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          6384
```

Dec 05 2019 13:52:41 **readmecan2mspeech.txt**

```
gnuplot <<EOF
set yrange [0:1.3]; set style data boxes; #set style data histeps
set yrange [0:1.3]; set style data lo rgb "black"
set term tgifiset output "ProbDistG${gibbs}.obj";
plot "ProbDistG${gibbs}.odr" using 1:(\$ZN-\$3+\$4\$] lo rgb "blue" t "Correct Speaker", "" using 1:(\$
lo rgb "yellow" t "Unregistered Speaker", "" using 1:(\$3) lo rgb "red" t "Incorrect Speaker"
set term postscript;set output "ProbDistG${gibbs}.eps";replot</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6471 cmd="speakerdigit_v5 fs:.....2012/12voicedata/${trainD$}\cob4s:-IN40mbas2:300:1.6:1sx${sx}.y fd:../
../2012/12voicedata/${trainD$}\cob4s:-IN40mbas2:300:1.6:1sx${sx}.y fd:../
gibbs:$gibbs beta:1 sdP:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:11:2:3:4:5:6:7:8:9 ver:-2 pApAd:${pAp}:${pAp} IAR:
60:-1 test:5:2000:${icd}:$fics!:$ficd]:$f:fT sx:$sx sp:$sp void:0";$cmd > /dev/null
6473 cat $tmp/restsd_stat.dat >> resultsum.dat
6473 echo -e "\n" >> resultsum.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ##psdsum.dat ->
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ##psdsum.dat -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cat $tmp/psd.dat >> psdsum.dat ######## <== speakerdigit_v5.c ,pg for speaker and digits ##psd.da
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    expr ${sX1000} + 1000'p" ${fbr}.dat >> ${fbr}_PPtrain.dat
1', expr ${sX1000} + 2000'p" ${fbr}.dat >> ${fbr}_PPtest.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #test:test->id:test->n:test->riCs:test->t_iCd:th->T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            \texttt{\#oat psdsum.dat} | \texttt{awk 'BEGIN} \{\texttt{t=ENVIRON}[\texttt{"t"}]; \} \{\texttt{if} (\$1\texttt{=t}) \{\texttt{print }\$3,\$0; \} \} \\ \texttt{'>>} \$ \{\texttt{fbo}\} . \texttt{dat } \texttt{fine} \} \\ \texttt{($\texttt{fbo})} . \texttt{($\texttt{fbo})} . \texttt{($\texttt{fbo})} \} \\ \texttt{($\texttt{foother})} = \texttt{($\texttt{foother})} = \texttt{($\texttt{foother})} \} \\ \texttt{($\texttt{foother})} = \texttt{($\texttt{foother})} = \texttt{($\texttt{foother})} \} \\ \texttt{($\texttt{foother})} = \texttt{($\texttt{foother})} = \texttt{($\texttt{foother})} = \texttt{
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                fbr=${a1}/resultp_ics${ics}ids{icd}G$(gibbs)-${fb0}
cat / Adevnull.
a+ffb0). dat
#ehoo "#pGC, pGGa" >> ${fb0}, dat #???
cat psdsum.dat|awk' 'BBGIN{t=BNVIRON["t"];}{if($l=t){print $4,$0;}}' >> ${fb0}. dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #for GEBI pApAd:pA:pAd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /result-onsei_iCsiCd; if [ ! -e $dl ]; then mkdir $dl:fi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     pApAd:pA:pAd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                cmd="histmav1-onsei $x0 $ndiv $nmav ${fbr}_PPtrain.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           trainDS=iconip14data; # trainDS=allpols; # choose
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #for BI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   tmp=./tmp;if [ ! -e $tmp ]; then mkdir $tmp;fi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  echo $cmd; $cmd
fhe=${d1}/hist-iCs${iCs}iCd${iCd}G${gibbs}.eps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         for iCs in 0 2 3; do
cat /dev/null > resultsum.dat
cat /dev/null > psdsum.dat
cat /dev/null > psdsum.dat
for sx in 0 1 2 3 4 5 6; do sp=-1;
test=test:5:2000:${iCs}:${iCd}:5:15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      if [ $gibbs -eq 1 ]; then
pAs=0.80;pAd=0.96;T=5;TT=15;gibbs=1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ######################################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             pAs=0.99;pAd=0.80;T=5;TT=15;gibbs=0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         export sX1000='expr $sx \* 1000'
sed -n -e "'expr ${sX1000} + 1','expr
sed -n -e "'expr ${sX1000} + 1001','
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cat /dev/null > ${fbr}_PPtrain.dat
cat /dev/null > ${fbr}_PPtest.dat
for sX in 0 1 2 3 4 5 6; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cmdl="cp ${fb0}.dat ${fbr}.dat"
echo $cmdl;$cmdl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        for gibbs in 1 0; do fhg=$tmp/histG${gibbs}.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          For icd in 0 1 2 3 4 5; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cd -; #previous directory
#######done # for SorD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               gv ProbDistG${gibbs}.eps&cd -; #previous directory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ##############################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               $tmp/hist.eps $fhe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ######## good
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cat /dev/null > $fhg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             x0=0; ndiv=100; nmav=3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      66488
66488
66488
66489
66499
66499
66499
66500
66500
```

```
sleep 2;

one # for iCs
done # for iCd
cp $fhg $tmp/histtmp.dat.tmp/hist.dat | awk '{print $1}'> tmp/hist1.dat;paste $tmp/histtmp.dat tm
                                                                                                                                                                                                                                                                                                                                                                                                                                              6522 set yrange [0:1.3]; set style data boxes; #set style data histeps
6523 set yrange [0:1.3]; set style fill solid border lc rgb "black"
6524 set style fill solid border lc rgb "black"
6525 plot "ProbDistG1.dat" using 1:(\$2+\$3+\$5+\$6+\$7) lc rgb "black" t "5/5", "" using 1:(\$3+\$5+\$6+\$7) lc rgb "black" t "3/5", "" using 1:(\$3+\$5+\$6+\$7) lc rgb "yellow" t "3/5", "" using 1:(\$5+\$6+\$7) lc rgb "plue" t "1/5", "" using 1:(\$6+\$7) lc rgb "pink" t "
0/5*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6526 set term postscript;set output "ProbDistGI.eps";replot
6527 set term tgif;set output "ProbDistGG.obj"
6528 plot "ProbDistGG.dat" using 1:(\$2+\$3+\$4+\$5+\$6+\$7) lc rgb "black" t "5/5", "" using 1:(\$3+\$4+\$5+\$6+\$7) lc rgb "yellow" t "3/5", "" using 1:(\$3+\$7) \$5+\$6+\$7) lc rgb "yellow" t "2/5", "" using 1:(\$6+\$7) lc rgb "pink" t "0/55\$6+\$7) lc rgb "red" t "2/5", "" using 1:(\$6+\$7) lc rgb "pink" t "0/55"
                                                                                                                                                                                                                                                                                              6515 #cat $fhg|awk '{pOsum=$3+$7+$11.plsum=$15+$19+$23.ppsum=$27+$31+$35.ppsum=$39+$43+$47.pdsum=$51+$55+
$59.p5sum=$63+$67+$71.psum=pOsum+p1sum+p2sum+p4sum+p5sum.printf("%e %e %e %e %e %e %e %e\n",$1, p0sum/psu
                                       ##
                                  cat tmp/hist.dat |awk '{print $3}'> tmp/hist3.dat.paste $tmp/histtmp.dat tmp/hist3.dat > $fhg
#paste $tmp/histtmp.dat tmp/hist.dat > $fhg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                tmp=./tmp;if [ ! -e $tmp ]; then mkdir $tmp;fi
dal=..result-onsei_itsicd; if [ ! -e $dl ]; then mkdir $dl;fi
for gibbs in 1 0; do
fhg=$tmp/histG${gibbs}.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          pApAd:pA:pAd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #for GEBI pApAd:pA:pAd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              set term postscript;set output "ProbDistGO.eps";replot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #for BI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   if [ $gibbs -eq 1 ]; then
pAs=0.80;pAd=0.96;T=5;TT=15;gibbs=1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           else
pAs=0.99;pAd=0.80;T=5;TT=15;gibbs=0;
fi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               fpdg=$d1/ProbDistG${gibbs}.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               copy and paste from here
                     dat.
                                                                         ##########################
                                                                                                                                                                                                                           /dev/null > $fpdg
cp $fhg $tmp/histtmp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20150909
###数字 by sakashita
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /dev/null > $fhg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gv ProbDistGO.eps&
cd -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ####################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      gv ProbbistG1.eps&
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ###########
                                                                                                                                                                     p/histl.dat > $fhg
                                                                                                                                                                                                                                                                                                                                                                                                               #########
                                                                                                                                                                                                                                                                                                                                                                                                                                   cd $d1
                                                                                                                                                                                                                                            ####
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ###
                                                                                                                                                                                                       6512
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6529
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6534
6535
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          6533
                                                                                                                                                                                                                         6513
                                                                                                                                                                                                                                            6514
```

cat /dev/null > resultsum.dat
cat /dev/null > psdsum.dat
for sX in 0 1 2 3 4 5 6; do sP=-1; in 0 2 3; Dec 05 2019 13:52:41

#test:test->id:test->n:test->riCs:test->t_iCd:th->T

test=test:5:2000:\${iCs}:\${iCd}:5:15;

```
6630 cat $fing awk '{ppsum=$1-$11+$15+$23+$27+$31+$35+$39+$43+$47+$51+$55+$59+$63+$67+$71+1e-20; 59 pspsum=$54-$77+$11.plsum=$15+$19+$23+$27+$31+$35+$35+$35.plsum=$39+$43+$47.plsum=$51+$55+$ pspsum=$67+$67+$71.plsum=$51+$55+$ pspsum=$67-$67+$71.plsum=$51+$55+$ pspsum=$67-$67+$71.plsum=$51+$55+$ pspsum=$51+$55+$ pspsum=$51+$55+$ pspsum=$51+$55+$ pspsum=$51+$55+$ pspsum=$51+$55+$ pspsum=$51+$55+$ pspsum=$51-$51.plsum=$51-$51.plsum=$51-$51.plsum=$51-$51.plsum=$51-$51.plsum=$51-$51.plsum=$51-$51.plsum=$51-$51.plsum=$51-$51.plsum=$51-$51.plsum=$51-$51.plsum=$51-$51.plsum=$51-$51.plsum=$51-$51.plsum=$51-$51.plsum=$51-$51.plsum=$51-$51.plsum=$51-$51.plsum=$51-$51.plsum=$51-$51.plsum=$51-$51.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51-$71.plsum=$51
                                                                                                                                                                                                                                                                                                                        6584 #cmd="speakerdigit_v5 fs:../../2012/12voicedata/allpole/oob4s:-1N40mbas2:300:1.6:1sx${sx}}.y fd:../../2012/12voicedata/allpole/oob4s:-1N40mbas2:300:1.6:1sx${sx}}.y fd:../..gibb:://2012/12voicedata/allpole/oob4d:-1N100mbas2:300:1.6:1sx${sx}}.y nsDi:77:10:10 pmin:0.01 yrm:1:0.9:1000 gibbs:$gibbs beta:1 adp:0:0:1:2:3:44:5:67:89:9 pmin:0.01 yrm:1:0.9:1000 gibbs:$gibbs beta:1 adp:0:0:1:2:3:44:5:67:89:9 pwin:0:0:11 adp:0:0:1:2:3:45:5x xp::5x xp::7x xp::7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6636 set style fill solid border 1c rgp "black"
6637 set term tgif:set output "probbistG1.0bj";
6637 set term tgif:set output "probbistG1.0bj";
6638 set term tgif:set output "using 1:(\\\(\frac{2}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)\(\frac{4}{3}\)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     export t=15;fb0t-p36;ft}
fb2es(4)/resultp_iG8s(1cs)/cd8s(1cd)d8s(gibbs)-$(fb0)
cat /dev/null > $(fb0).dat |
cat /dev/null > $(fb0).dat /dev/null |
cat /dev/null > $(fb0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     set yrange [0:1.3]; set style data boxes; #set style data histeps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             echo -e "(n" >> reeultsum.dat
cat $tmp/psd.dat >> psdsum.dat ########## <== speakerdigit_v5.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                99 car (dev/null) > $\{\text{fbr}}\text{Load.} \text{dat} \)
90 car (dev/null) > $\{\text{fbr}}\text{Load.} \text{dat} \)
91 car (dev/null) > $\{\text{fbr}}\text{Load.} \text{dat} > $\{\text{fbr}}\text{Load.} \text{dat} \)
92 car (dev/null) > $\{\text{fbr}}\text{Load.} \text{cat} > $\{\text{fbr}}\text{Load.} \text{Lail.} \text{dat} \)
93 cad -n '1001, 2000p' $\{\text{fbr}}\text{Cat} >> $\{\text{fbr}}\text{Lail.} \text{dat} \)
93 cad -n '2001, 3000p' $\{\text{fbr}}\text{Cat} >> $\{\text{fbr}}\text{Lail.} \text{dat} \)
93 cad -n '3001, 4000p' $\{\text{fbr}}\text{cat} >> $\{\text{fbr}}\text{Lail.} \text{dat} \)
95 cad -n '000, 6000p' $\{\text{fbr}}\text{dat} >> $\{\text{fbr}}\text{Lail.} \text{dat} \)
95 cad -n '7001, 8000p' $\{\text{fbr}}\text{dat} >> $\{\text{fbr}}\text{Lail.} \text{dat} \)
95 cad -n '7001, 8000p' $\{\text{fbr}}\text{dat} >> $\{\text{fbr}}\text{Lail.} \text{dat} \)
95 cad -n '0001, 10000p' $\{\text{fbr}}\text{dat} >> $\{\text{fbr}}\text{Lail.} \text{dat} \)
11 cad -n '1001, 10000p' $\{\text{fbr}}\text{dat} >> $\{\text{fbr}}\text{Lail.} \text{dat} \)
12 cad -n '1001, 10000p' $\{\text{fbr}}\text{dat} >> $\{\text{fbr}}\text{Lail.} \text{dat} \)
13 cad -n '1001, 10000p' $\{\text{fbr}}\text{dat} >> $\{\text{fbr}}\text{Lail.} \text{dat} \)
14 cad -n '1001, 10000p' $\{\text{fbr}}\text{dat} >> $\{\text{fbr}}\text{Lail.} \text{dat} \)
15 cad -n '1001, 10000p' $\{\text{fbr}}\text{dat} >> $\{\text{fbr}}\text{Lail.} \text{dat} \)
16 cad -n '1001, 10000p' $\{\text{fbr}}\text{dat} >> $\{\text{fbr}}\text{Lail.} \text{dat} \)
17 cad -n '1001, 10000p' $\{\text{fbr}}\text{dat} >> $\{\text{fbr}}\text{Lail.} \text{dat} \)
18 cad -n '1001, 10000p' $\{\text{fbr}}\text{Lail.} \text{dat} \)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cmd="histmav1-onsei $x0 $ndiv $nmav ${fbr}_head.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       fhe=${d1}/hist-iCs${iCs}iCd${iCd}G${gibbs}.eps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cp $fhg $tmp/histtmp.dat
paste $tmp/histtmp.dat tmp/hist.dat > $fhg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            fpdg=$d1/ProbDistG${gibbs}.dat
                                                                                                                                                                                                                                                             trainDS=iconip14data;#choo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ######################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cat /dev/null > $fpdg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cp $tmp/hist.eps $fhe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            k0=0;ndiv=100;nmav=3
                                                                                                                                                                               trainDS=allpols;#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     echo $cmdl;$cmdl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  done #for gibbs
#######
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         done # for iCs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                gnuplot <<EOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           sleep 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cd $d1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ###
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6633
6634
6635
6636
6578
6579
6580
6581
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6583
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6632
```

```
6678 cat /dev/null > resultsum.dat
6679 cat /dev/null > padsum.dat
6680 for sx in 0 1 2 3 4 5 6 id os sp=-1;
6681 test=test:5:1000:${ics}:${1cd}:5:15; #test:test->id:test->rics:test->t_icd:th->T
6682 cmd="speakerdigit_vb" fs:..., -2.0212/12voicedata.lconiph/data.nobbs:..hqmbmas2:300:1.6:1xx{{sx}}.y fd:.
6682 cmd="speakerdigit_vb" fs:..., -2.0212/12voicedata.lconiph/data.nobbs:..hqmbmas2:300:1.6:1xx{{sx}}.y fd:.
67212/12voicedata.al.pole/obb4d:-IN100mbas2:300:1.6:1xx{{sy}}.y nSDi:?:10:10 pmin:0.01 yrm:1:0.9:1000 gib
bs:$gibbs beta:1 gdp:0:0:1:2:3:4:5:6:7:8:9 III:1 sdT:0:0:1:2:3:4:5:6:7:8:9 yer:-2 papAd:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${pAd}:${
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           :-1 test:5:1000:${ics}:${icd}:$T:$TT aX:$SX 8P:$SP void:0";$cmd > /dev/null
6683 #cmd="speakerdigit_Lo" fs:.../..2012/12x0:edata/allpole/oob4s:-IN40mbas2:300:1.6:1sX${sX}.y fd:../..
72012/12x0:cdedata/allpole/oob4d:-IN100mbas2:300:1.6:1sX${sX}.y nSDL:7:10:10 pmin:0.01 ytm:1:0.9:1000 gibbs:$
gibbs beta:1 adp:0:0:11:2:3:4:5:6:778:9 IT:1 &dT:0:0:1:3:3:4:5:6:78:9 ver:-2 pApAd:${pAd}!x${pAd}!x$Pad:0:0:-1
test:5:1000:${ics}:${icd}:$T:$TT aX:$SP void:0":$cmd > /dev/null
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cat /dev/null > $fpdg
cat $fhg|awk '{psum=$3+$7+$11+1e-20;printf("%e %e %e \e\n", $1, $3/psum, $7/psum, $11/psum);}'>> $fp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                echo "#pGC,t.n.pGC,pGGd" >> ${fb0}.dat
cat psdsum.dat|awk 'BEGIN{t=ENVIRON["t"];}{if($i==t){print $3,$0;}}' >> ${fb0}.dat
cmd1="cp ${fb0}.dat ${fbr}.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                               oob4speakerdigit+sX.c の233行目から243行目のコメントアウトを外した。
特に243行目は必須な学習なのにコメントアウトしていた;233~239行目は同じ学習をしない
ための前処理。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cat $tmp/psd.dat >> psdsum.dat ######### <== speakerdigit_v5.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   pApAd:pA:pAd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #for GEBI pApAd:pA:pAd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  dl=.//result-onsell; if [ ! -e $dl ]; then mkdir $dl:fi
for gibbs in 1 0; do
fhg=$tmp/histG${gibbs}.dat
output "ProbDistGO.eps";replot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    export t=15;fbb=t-pG${Ls}
fbr=${d1}\resultp_lCs${lcs}!cd${icd}{gibbs}-${fb0}
fbr=${d1}\resultp_lCs${id}
fbr=${d2}\resultp_lCs}{d1}.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ISR, 3 for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #for BI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cmd="histmav1-onsei $x0 $ndiv $nmav ${fbr}.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    fhe=${d1}/hist-iCs${iCs}iCd${icd}G${gibbs}.eps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  tmp=./tmp;if [ ! -e $tmp ]; then mkdir $tmp;fi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         set style data boxes; #set style data histeps
set style fill solid border lc rgb "black"
set term tgifiset output "ProbDistGl.obj";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   paste $tmp/histtmp.dat tmp/hist.dat > $fhg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cat $tmp/testsd_stat.dat >> resultsum.dat
echo -e "\n" >> resultsum.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cat /dev/null > $fhg
for iCs in 0 2 3; do #0 for CSR, 2 for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         if [ $gibbs -eq 1 ]; then
pAs=0.80;pAd=0.96;T=5;TT=15;gibbs=1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   pAs=0.99;pAd=0.80;T=5;TT=15;gibbs=0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      done # for iCs
fpdg=$d1/ProbDistG${gibbs}.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ### copy and paste from here
                                                                                                                                                                                                                           ### copy and paste to here
                                                                                                                                                                                                                                                                                                                                                                            #########################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cp $fhg $tmp/histtmp.dat
set term postscript;set
                                                                                                                                                                                                                                                                                                                                                                                                               20141119
[1] 次の誤りを修正した:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cp $tmp/hist.eps $fhe gv $fhe&
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          x0=0; ndiv=100; nmav=3
                                                                                                             gv ProbDistG1.eps&
gv ProbDistG0.eps&
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           echo $cmdl;$cmd1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 $ cmd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        done # for gibbs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cd $d1
gnuplot <<EOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 echo $cmd;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                sleep 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  icd=0;
                                                                          EOF
```

Page 100

Speaker Registered", "" using 1 "red" t "Incorrect 6717 plot "ProbbistG1.dat" using 1:(\\$2+\\$3+\\$4) lo rgb "blue" t "Correct Speaker Re:(\\$3+\\$4) lo rgb "yellow" t "Incorrect Speaker Unregistered", "" using 1:(\\$3) lo rgb

6719 set term tgifiset output "ProbDistGl.eps";replot 6720 plot "ProbDistGl.obj" (5720 plot "ProbDistGl.obj" (573+\\$3+\\$4) lc rgb "blue" t "Correct Speaker Registered", "" using leaker Registered", "" using lic rgb "red" t "Incorrect Speaker Unregistered", "" using lic rgb "red" t "Incorrect Speaker Gl. (\$3) lc rgb "red" t "Incorrect Speaker Gl. (\$4) lc rgb "red" t "

6737 cmd=""" cmd="""" cmd=""" cmd=""" cmd="""" cmd="""" cmd=""" cmd=""" cmd=""" cmd=""" cmd=""" cmd=""" cmd="" ### copy and paste to here ######################### gv ProbDistG1.eps& gv ProbDistG0.eps& quit EOF

6742 # for check UnReg error 6743 ==1.6:b=300/N=40.for sX in -1 0 1 2 3 4 5 6; do speakerdigit v3 fs:../../2012/12voicedata/allpole/oo b4s:-1N\$(N) mbas2:\${b}:\${a}:1sx\${sx}.nxDL:7:10:10 pmin:0.01 yrm:1:0.9:1000 gibbs:1 beta:1 sdp:0:0:1:2:3:4:5 167:18:9 ver:-2 phpAd::-12 phpAd::-12 phpRef::-12 ptp.0:0:1:2:3:4:5 17:8:9 ver:-2 phpAd::-12 phpAd #al.6b300N40 #TPO.933 TNO.976 ER1.851e-05 n4900(Reg) #al.6b300N40 #TPO.907 ER1.327e-04 n700(UnReg:sX0)

TP0 .811 TNO.970 ER4.474e-05 n4900(All)*** 6747 #al.6b300N40 #TPO.947 TNO.985 ER1.102e-04 n700(UnReg:sXl) .839 TWO.975 ER3.803e-05 n4900(All) 6748 #al.6b300N40 #TPO.952 TNO.987 ER1.455e-05 n4200(Reg) TPO.000 TWO.903 ER1.388e-04 n700(UnReg:sX2) 834 TNO.973 ER3.9378-05 n4900(A11) 6749 #a1.6b300N40 #TPO.943 TNO.983 ER1.766e-05 n4200(Reg) TPO.000 TNO.920 ER1.143e-04 n700(UnReg:sX3) #al.6b300N40 #TP0.970 TN0.986 ER1.052e-05 n4200(Reg) TP0.000 TN0.919 ER1.163e-04 n700(UnReg:sX4) 826 TNO.972 ER4.110e-05 n4900(All) 6750 #al.6b300N40 #TP0.970 TNO.9

TP0 843 TNO.975 ER3.707e-05 n4900(All) 6751 #al.6b300N40 #TP0.940 TNO.988 ER1.726e-05 n4200(Reg) TP0.000 TNO.901 ER1.408e-04 n700(UnReg:sX5) TP0 6752 #a1.6b300N40 #TP0.943 TNO.988 ER1.640e-05 n4200(Reg) TP0.000 TNO.923 ER1.102e-04 n700(UnReg:sX6) 852 TNO.977 ER3.477e-05 n4900(All)

6754 #al.6biONN100 #TP0.946 TN0.986 ER1.399--05 14900(Reg)
6755 #al.6biONN100 #TP0.928 TN0.988 ER1.9846-05 14200(Reg) TP0.000 TN0.859 ER2.020e-04 n700(UnReg:sX0) TP
0.798 TN0.967 ER4.792e-05 14900(All) #al.6bl00N100 #TP0.938 TN0.988 ER1.759e-05 n4200(Reg) TP0.000 TN0.854 ER2.082e-04 n700(UnReg:sXl) TP 6756

0.794 TNO.966 ER4.895e-05 n4900(All) 6757 #al.6bl00N100 #TP0.940 TNO.991 ER1.653e-05 n4200(Reg) TP0.000 TNO.857 ER2.041e-04 n700(UnReg:sX2) TP 0.808 TNO.969 ER4.554e-05 n4900(All) 6758 #al.6bl00nl00 #TP0.950 TNO.959 ER2.020e-04 n700(UnReg:sX3) TP 0.820 TNO.971 ER4.264e-05 n4900(All) 6759 #al.6bl00N100 #TP0.942 TNO.991 ER1.607e-05 n4200(Reg) TP0.000 TNO.856 ER2.061e-04 n700(UnReg:sX4) TP Д 6761 #al.6bl00N100 #TP0.960 TN0.993 ER1.131e-05 n4200(Reg) TP0.000 TN0.854 ER2.082e-04 n700(UnReg:sX6) TP #al.6bl00N100 #TP0.948 TN0.990 ER1.462e-05 n4200(Reg) TP0.000 TN0.857 ER2.041e-04 n700(UnReg:sX5) 0.808 INO.969 ER4.554e-05 n4900(All) 0.808 IN0.969 ER4.548e-05 n4900(All)

0.817 TMO.970 ER4.347e-05 n4900(All) 6762

.772 TNO.962 ERS.433e-05 n4900(All) 6765 #al.6bl00N40 #TP0.942 TNO.984 ERI.779e-05 n4200(Reg) TP0.000 TNO.849 ER2.163e-04 n700(UnReg:sXl) TP0 TP0 TP0 #al.6bl00040 #TP0.929 TN0.977 ERI.924e-05 n4900(Reg) #al.6bl00049 #TP0.925 ER2.122e-04 n700(UnReg:sX0) .774 TWO.962 ER5.396e-05 n4900(All) 6766 #al.6bl00N40 #TPO.952 TNO.985 ER1.501e-05 n4200(Reg) TPO.000 TWO.850 ER2.143e-04 n700(UnReg:sX2) .783 TNO.963 ER5.173e-05 n4900(All) 6767 #al.6bl00N40 #TP0.942 TNO.984 ER1.779e-05 n4200(Reg) TP0.000 TNO.850 ER2.143e-04 n700(UnReg:sX3) .775 TNO.962 ERS.369e-05 n4900(All) 6768 #al.6bl00N40 #TPO.933 TNO.981 ER2.037e-05 n4200(Reg) TPO.000 TNO.846 ER2.204e-04 n700(UnReg:sX4) 6764

TP0 6770 #al.6bl00N40 #TP0.937 TN0.983 ER1.925e-05 n4200(Reg) TP0.000 TN0.846 ER2.204e-04 n700(UnReg:sX6) TP0 .761 TNO.959 ERS.71Ge-05 n4900(All)
6769 #All 6bl00N40 #TP0.928 TNO.984 ER2.090e-05 n4200(Reg) TP0.000 TNO.859 ER2.020e-04 n700(UnReg:sXS) '.80 TNO.963 ERS.233e-05 n4900(All)

```
{98.1}{5.5}
{97.9}{95.3}
{55.9}{95.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #Gibbs (gibbs:1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (gibbs
#a1.6b100N40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          for t in 15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (4) tune pAs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #####15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ###dipps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ####115 {
####115 {
####15 {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ####115 .
####115 .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ####115 .
####115 .
                          P0.941 TN0.993
6820 #al.6bl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ,a20,As+Rs);}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #####
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gibbs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         erous?
6855
6856
6857
6857
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6864
                                                                                                                                                                                                                                                                               6825
6825
6822
6822
6823
6833
6833
6833
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               6838
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6844
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6846
6847
6849
6850
6851
6852
6853
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6889
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6861
                                                                                                                                                                                                                                                                   o.ku a=1.6;b=300;N=100;for sX in -1 0 1 2 3 4 5 6; do speakerdigit_v3 fd:../../2012/12voicedata/allpole/oobd4:-Ns{N}mbas2:${b}:${a}:1sx${sX}.y nSDL;7:10:10 pmin:0.01 ytm:1:0.9:1000 gibbs:1 beta:1 sdP:0:0:11:23:3:4:56:7:89 lasy ver:-2 papad:: LAR:0:0:1 test:5:1000:3:0:5:15 sX:${sX} void:0 | gre 6782 #a1.6b100N100 #TPD 947 mm no.4 mm 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Н
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Н
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Н
                                                                                                                       6776 cmd="cob4speakerdigit+sX sp:fhs:fms:mkk:mko:mmt:mmh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:k
yu ntxi:10 k:36 mbas:2:${b}:${a}:1 dir:../../2012/12voicedata/allpole d:-1 N:${N} sx:$sx"
6777 echo $cmdi3cmd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ďΕ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ДĽ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ΤP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ďΕ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ďΕ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ΤP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ďΙ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ДĽ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ďΕ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ΤP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ďΕ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ДĽ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ΤP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (0Xs:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  :sx5)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #TP0.935 TN0.991 ER1.225e-05 n6000(Reg) TP0.900 TN0.984 ER1.156e-04 n1000(UnReg:sX0)
                                                                                                                                                                                                                                                                                                                                                                                                                                       ER6.667e-05 nl000(UnReg:sX0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ER2.111e-05 n1000(UnReg:sX2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ER2.333e-05 n1000(UnReg:sX5)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ER3.111e-05 n1000(UnReg:sX6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ER1.111e-05 n1000(UnReg:sX3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ER1.222e-05 n1000(UnReg:sX6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            n1000(UnReq:sX4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   n1000(UnReg:sX1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         n1000(UnReg:sX3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   n1000(UnReg:sX1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      n1000(UnReg:sX2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            n1000(UnReg:sX3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TP0.450 TN0.961 ER5.889e-04 n1000(UnReg:sX4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    n1000(UnReg:sX0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TP0.950 IN0.983 ER6.667e-05 n1000(UnReg:sX5)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TP0.280 TN0.957 ER7.633e-04 n1000(UnReg:sX0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TP0.650 TN0.976 ER3.744e-04 n1000(UnReg:sX2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              n1000(UnReg:sX6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ER1.222e-05 n1000(UnReg:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ER1.222e-05 n1000(UnReg:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #a1.6bl00N100 #TP0.955 TN0.995 ER8.364e-06 n6000(Reg) TP0.980 TN0.998 ER2.222e-05 n1000(UnReg: TN0.995 ER6.794e-06 n7000(All)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ER6.667e-05 n1000(UnReg:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ER2.111e-05 n1000(UnReg:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ER2.222e-05 n1000(UnReg:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ER3.111e-05 n1000(UnReg:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ER2.222e-06 n1000(UnReg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           n1000(UnReg:
                                                                                                                                                                                                                               ../2012/12voicedata/allpole/oob4d:-1N${N}mbas2:${b}:${a}:1sX${sx}.ystat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TP0.940 TN0.992 ER6.778e-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TP0.960 IN0.993 ER4.667e-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TNO.989 ER8.111e-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TN0.989 ER9.111e-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TP0.960 TN0.990 ER5.000e-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TP0.930 TN0.981 ER8.889e-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TPO.410 TNO.962 ER6.278e-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TP0.590 TN0.981 ER4.289e-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TN0.987 ER2.533e-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TN0.978 ER5.022e-04
                                                                                                                                                                                                                                                                                                                                                                                                            #al.6bl00N100 #TP0.953 TN0.994 ER7.55Le-06 n7000(Reg)
#al.6bl00N100 #TP0.963 TN0.996 ER6.82Le-06 n6000(Reg) TP0.940 TN0.993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TP0.990 TN0.998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TP1.000 IN0.998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TP0.990 TN0.999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TN0.998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TN0.993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TP0.980 TN0.999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         066.0NI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         866.0MI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #al.6b300N100 #TP0.967 TN0.996 ER6.204e-06 n6000(Reg) TP0.970 TN0.999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TP0.980 TN0.997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TP0.970 TN0.999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TN0.998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TP0.990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TP0.990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TP0.940
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TP0.980
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TP0.980
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TP0.930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TP0.920
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TP0.760
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TP0.520
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            n7000(Reg)
n6000(Reg)
                                                                                                                                                                                                                                                                                                                                                                                                                                                            P0.959 TWO.995 ER6.568e-06 n7000(All)***
6784 #al.6bl00N100 #TP0.962 TWO.998 ER6.790e-06 n6000(Reg)
P0.978 TWO.998 ER3.44L-06 n7000(All)
6785 #al.6bl00N100 #TP0.973 TWO.996 ER5.062e-06 n6000(Reg)
P0.969 TWO.997 ER4.951e-06 n7000(All)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6797 #al.6b300Nl00 #TP0.962 TN0.995 ER7.191e-06 n6000(Reg)
P0.959 TW0.995 ER6.542e-06 n7000(All)
6798 #al.6b30Nl00 #TP0.950 TN0.995 ER9.198e-06 n6000(Reg)
P0.958 TW0.995 ER6.610e-06 n7000(All)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            n6000(Reg)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            n6000(Reg)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    n6000(Reg)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       n6000(Reg)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         n6000(Reg)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         n6000(Reg)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TWO.993 ERI.0396-05 n7000(All)
3 #al.6bl00M0 #rpp.950 rny.993 ER9.4756-06 n6000(Reg)
4 TWO.993 ERI.0526-05 n7000(All)
4 Hal.6bl00M40 #rpp.938 TWO.993 ERI.142e-05 n6000(Reg)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6806 #1.6bl00x40 #rp0.942 rx0.387 ER1.185e-05 n6000(Reg)
0.887 rx0.987 ER1.803e-05 n7000(All)
6807 #1.6bl00x40 #rp0.935 rx0.988 ER1.290e-05 n6000(Reg)
0.886 rx0.987 ER1.816e-05 n7000(All)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6809 #al.6b300N40 #TP0.929 TN0.990 ER1.156e-05 n7000(Reg)
6810 #al.6b300N40 #TP0.950 TN0.992 ER9.691e-06 n6000(Reg)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.932 TNO.993 ERI.075e-05 n7000(All)
6814 #al.65300N40 #TPO.953 TNO.994 ER8.796e-06 n6000(Reg)
0.901 TNO.989 ERI.572e-05 n7000(All)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #al.6bl00N40 #TP0.943 TN0.989 ER9.751e-06 n7000(Reg) #al.6bl00N40 #TP0.957 TN0.994 ER8.302e-06 n6000(Reg)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #al.6bl00N40 #TP0.962 IN0.992 ER7.654e-06 n6000(Reg)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10.987 ER1.929e-05 n7000(All)NG for sX
#al.6b300N40 #TP0.952 TN0.991 ER9.568e-06 n6000(Reg)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #a1.6b300N40 #TP0.953 TN0.994 ER8.765e-06 n6000(Reg)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #al.6bl00N40 #TP0.955 TN0.993 ER8.735e-06 n6000(Reg)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #al.6b300N40 #TP0.940 TN0.993 ER1.114e-05 n6000(Reg)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6813 #al.6b300N40 #TP0.953 TN0.995 ER8.673e-06 n6000(Reg)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #al.6b300N40 #TP0.958 TN0.994 ER7.932e-06 n6000(Reg)
                                                     οĘ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #1.6b300N100 #TP0.968 TN0.996 ER5.864e-06
TNO.997 ER4.42e-06 TNO0(0.All.)
#1.6b300N100 #10.962 TNO.996 ER7.006e-06
TNO.997 ER5.008e-06 n7000(All.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #al.6bl00N100 #TP0.963 TN0.997 ER6.574e-06 TN0.997 ER3.661e-06 n7000(All)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #al.6bl00N100 #TP0.952 TN0.996 ER8.704e-06 TN0.996 ER5.263e-06 n7000(All)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TNO.994 ER7.823e-06
TNO.995 ER7.500e-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NO.995 ER7.454e-06 n7000(All)***SoSo
#al.6b300N100 #TP0.968 TN0.996 ER5.895e-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #TP0.953 TN0.996 ER8.488e-06
                                                     ΧX
                                                     for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.878 TMO .987 ERI.929e-05 n7000(All)0g for
6811 #al.6b300N40 #TPO .952 TMO .991 ER9.5
0.881 TMO .987 ERI.894e-05 n7000(All)
                                                     error
                                                                                                  for sX in -1 0 1 2 3 4 5 6 7; a=1.6;b=300;N=100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       n7000(A11)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 n7000(All)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TNO.993 ER9.403e-06 n7000(All)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TNO.993 ER1.004e-05 n7000(All)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.933 IN0.993 ER1.063e-05 n7000(All)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ER1.086e-05 n7000(All)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ER1.359e-05 n7000(All)
TNO.960 ER5.573e-05 n4900(All)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #al.6bl00N100 #TPO.
TNO.996 ER5.698e-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TN0.997 ER4.762e-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TN0.997 ER4.995e-06
                                                                                                                                                                                                                                                          echo $cmdl;$cmdl
                                                  (2) tune a,b,N v
#see 2013/02/27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6818 #al.6b50N40
                                                                                                                                                                                                                                  cmd1="cat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PO.916 TNO.990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6803 #al.6b
0.934 TNO.993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.932 TNO.992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6812 #a1.6b
0.914 TN0.991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TN0.992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6786
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    P0.977
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    P0.967 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 64.89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PO.953
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6794
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              P0.971
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 P0.968
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6805
                                                                                                                                                                                                                                                                                                                                                                                                                                       6783
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PO.970
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PO.969
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PO.957
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.935
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.941
```

ER1.342e-05 n7000(All)

meran 2menerh tyt	
Ę	3
הסמח	3
-	_
_	
11	
11	1.70
11	1.70.0
11	1.70.0
11	1.70.0
11	1.30.0
Dec 05 2010 13:52:41	1.75.0

ďΕ ДĽ ДĽ 6840 export t.cat resultsum.dat|awk 'BEGIN(t=ENVIRON["t"]:Asd=As=Ad=0:n=0;} {if(\$l=t){Asd+=\$10:NEd+=\$11;} Asd=As=Ad=0:n=0;} {if(\$l=t){Asd+=\$10:NEd+=\$11;} Asd=Ad=Asso(Asso(Asd=Asso(Asd n1000(UnReg:sX0) T mesah using 1[t] 20140514 at mesa incorrect 96 n1000(UnReg:sX0) 6821 #40.7b100040 #TPO.857 TNO.981 ER2.704e-05 n6000(Reg) TPO.780 TNO.971 ER2.489e-04 n1000(UnReg:sx0) 0.822 TNO.980 ER2.830e-05 n7000(All) 6822 TNO.980 ER2.830e-05 n7000(All) 6822 TNO.980 ER2.844e-04 n1000(UnReg:sx0) 6822 TNO.985 ER2.038e-05 n7000(All) 6823 #41.6b300N40 #TPO.997 TNO.995 ER9.05 pAsd=0.8:0.96 80:0. below 20140514 registered than result FA=1.2 *** Use 1[t] worse FRR=6.0=100-94.0 #TP0.957 TN0.994 ER8.302e-06 n6000(Reg) TP0.940 TN0.992 ER6.778e-05 #a1.6b100N100 #TP0.963 TN0.996 ER6.821e-06 n6000(Reg) TP0.940 TN0.993 ER6.667e-05 FRR=1.2=100-98. FA=5.5 FA=0.1 for FR=6.1 using FA=5.5 FR=6.1 FA=53.9 w FR=1.8 FA=1.2 2 8 FR=0.9 (3); ######115 {99.9} {100.0} {499.9} {Ad:As:Asd for pAsd0.8:0.96 iC0:0/5 n7000} 5} {Ad:As:Ascd for phade, 99:0.1 iG3:0/5 n7000} 5.5 Ad:As:Ascd for phade, 99:0.2 iG3:0/5 n7000} 5.5 Ad:As:Ascd for phade, 99:0.2 iG3:0/5 n7000} 5.5 Ad:As:Ascd for phade, 99:0.3 iG3:0/5 n7000} 5.5 Ad:As:Ascd for phade, 99:0.5 iG3:0/5 n7000} 5.5 Ad:As:Ascd for phade, 99:0.5 iG3:0/5 n7000} 7.5 Ad:As:Ascd for phade, 99:0.5 iG3:0/5 n7000} 7.5 Ad:Ascd for phade, 99:0.5 iGC3:0/5 n7000} 7.5 Ad:Ascd for phade, 99:0.5 iGC3:0.5 ic3:0/5 n7000} Gibbs, pasd=0.99:0.80 for Bayes(gibbs:0) 844 #################### tune pasd for Fa \simeq FR, Gibbs pasd=0.8:0.96 5}{5.5}{4d:As:Asd for pAsd0.99:0.7 iC3:0/5 n7000} 5.3}{93.9}{Ad:As:Asd for pAsd0.99:0.7 iC0:0/5 n7000} 5.5}{53.9}{Ad:As:Asd for pAsd0.99:0.7 iC0:2/5 n7000} ####t15 {99.1}{99.9}{99.0}{Ad:As:Asd for pAsd0.8:0.96 iC0:0/5 n7000} for pAsd0.8:0.95 iC3:0/5 n7000} d for pAsd0.8:0.95 iC0:0/5 n7000} {98.2}{99.9}{98.2}{40.23}{40.3436.60 pasd0.8:0.97 iC0:0/5 n7000} {98.7}{1.2}{1.2}{40.3540 for pasd0.8:0.97 iC3:0/5 n7000} using ####t15 {99.2}{1.2}{1.2}{Ad:As:Asd for pAsd0.8:0.96 iC3:0/5 n7000} #t15 {99_0}{1.2}{1.1}{Ad:As:Asd for pAsd0.8:0.96 iC3:0/5 n7000} #t15 {99.0}{99.8}{99.8}{Ad:As:Asd for pAsd0.8:0.96 iC0:0/5 n7000} pAsd0.99:0.8 iC0:0/5 n7000} #t15 {97.7}{95.4}{94.0}{Ad:As:Asd for pAsd0.99:0.8 ic0:0/5 n7000 #t15 {98.2}{5.1}{5.0}{Ad:As:Asd for pAsd0.99:0.8 ic3:0/5 n7000} FR) pApad:pa:pad papad:pa:pad ×s (3) commands for speaker-digit verification B papadipa; passo.99;pasdo.0077=5;TT=15;qibbas0.# #for B papado.passo.09;passo.08;passo.08;passo.03;pas ###the following result is obtained with speakerdigit_v5-Rate; FA \simeq {100.0}{0.1}{0.1}{Ad:As:Asd for pAsd0.8:0.96 via EER (Equal Error {99.3}{1.2}{1.2}{Ad:As:Asd for pA {99.3}{99.2}{Ad:As:Asd for P0.959 TNO.995 ER6.568e-06 n7000(All)***
6821 #a0.7b100N40 #TP0.857 TNO.981 ER ER9.403e-06 n7000(All) 0.878 TNO.987 ER1.929e-05 n7000(All) 6824 ####115 (99.5) {5.5} {5.5} {6. do #for tex Bayes(gibbs:0) and pAd (gibbs:1)

```
^< ,{:((
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  7038
7039
7040
7041
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FA=1.2% with
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   same as above use this
                                                                                                                                                                                                                                                    FA=5.5 same as below use this
                                                                                                                                     FA=53.8 worse than below
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  [99.1) [99.9] [99.0) [Adias.Asad for pasd0.8:0.96 iCO:0/5 n7000) #correct registered FR=1% [99.2] [3.0) [3.0) [Adias.Asad for pasd0.7:0.96 iCO:0/5 n7000) #unregistered FA=3% [99.1] [99.9] [99.0] [Adias.Asad for pasd0.7:0.96 iCO:0/5 n7000] #correct registered FR=1% [99.2] [0.7] [0.7] [Adias.Asad for pasd0.85:0.96 iCO:0/5 n7000] # FR=0.7% [99.2] [99.2] [99.8] [99.8] [99.9] [99.8] [99.9] [99.8] [99.9] [99.8] [99.9] [99.8] [99.9] [99.8] [99.9] [99.8] [99.8] [99.9] [99.8] [99.9] [99.8] [99.9] [99.8] [99.9] [99.8] [99.9] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8] [99.8]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #####15 {98.0}{5.5}{6.5}}{6.5}}{6.5}}
#####15 {98.0}{5.5}}{9.53}}97.3}
#####15 {98.0}}
#####15 {95.6}{95.5}}{95.5}}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gibbs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 boundary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ###### tuning pasd PA=FR base 0.8:0.96
####t15 {9.2}{1.2}{1.2}{41.2}{434:A8:A8d for pasd0.8:0.96 iC3:0/5 n7000} #unregistered
pasd=pas.pad=0.8:0.96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #unregistered (iCs=3:iCd=0-3: # test incorrect unregistered sx ) pAsd=0.8:0.96 #11.8 [1.1] [Ad:As:Asd for pAsd0.8:0.96 iC3:0/5 n7000] #11.8 [41.2] [1.1] [Ad:As:Asd for pAsd0.8:0.96 iC3:1/5 n7000] #11.8 [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41.3] [41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FA=11.5
FR=5.5
       FA=5.5
FR=6.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #####L15 {97.8}{95.3}{93.9}{Ad:As:Asd for pasd0.99:0.85 iC0:0/5 n7000} FR=6.1 #####L15 {55.7}{95.5}{53.7}{Ad:As:Asd for pasd0.99:0.85 iC0:2/5 n7000} FA=53.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #####15 {98.1}{5.5}{5.5}{Ad:As:Asd for pAsd0.99:0.85 iC3:0/5 n7000} FA=5.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #####L15 {98.0}{5.5}{5.5}{ad:as:asd for pasd0.99:0.95 iC3:0/5 n7000} FA=5.5% #####L15 {97.8}{95.3}{93.8}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FA=12.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #####15 {97.9}{5.5}{6.5}{ad:as:asd for pasd0.99:0.98 iC3:0/5 n7000} FR=5.5 #####15 {97.5}{95.3}{93.5}{ad:as:asd for pasd0.99:0.98 iC0:0/5 n7000} FR=6.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #####15 {97.9} {5.5} {6.5} {4d:As:Asd for pasd0.99:0.97 iC3:0/5 n7000} FA=5.5 #####15 {97.7} {95.3} {93.8} {Ad:As:Asd for pasd0.99:0.97 iC0:0/5 n7000} FR=6.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #####L5 {98.0}{5.5}{5.5}{Ad:As:Asd for pasd0.99:0.96 iC3:0/5 n7000} FA=5.5 #####L5 {97.8}{95.5}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #####15 {98.0}{23.9}{23.6}{Ad:As:Asd for pasd0.7:0.95 ic3:0/5 n7000} FA=23.6 #####15 {97.8}{96.8}{95.1}{Ad:As:Asd for pasd0.7:0.95 ic0:0/5 n7000} FR=4.9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #####15 {98.0}{26.0}{25.6}{Ad:As:Asad for pasd0.5:0.95 ic3:0/5 n7000} FA=25.6 #####15 {97.8}{97.4}{95.6}{Ad:As:Asad for pasd0.5:0.95 ic0:0/5 n7000} FR=0.44
                                                                                                                                                                                                                                                                                                                                                                                                                                                             FA=53.7
                                                                                                                                                                                                                                             6890 ####t15 {98.1}{5.5}{Ad:As:Asd for pasd0.99:0.8 iC3:0/5 n7000} FP=5.5 72 ppsd0.99:0.8 iC3:0/5 n7000} FP=5.5 6891 ###t15 {97.8}{95.3}{33.9}{Ad:As:Asd for pasd0.99:0.8 iC0:0/5 n7000} FR=6.1 6892 ####t15 {55.7}{33.9}{Ad:As:Asd for pasd0.99:0.8 iC0:2/5 n7000} FR=5.3 .7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ###tune pA for rejecting unregistered speaker
###tune pA 20.2}{20.9}{20.3}{20.9}{20.2}{20.9}{20.2}{20.9}{20.2}{20.9}{20.2}{20.9}{20.2}{20.9}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.3}{20.
####EL5 {99.11{5.5}{5.5}}Adias.as.ad for paad0.99:0.75 iC3:0/5 n7000}
####EL5 {97.9}{95.3}{3.3}}Adias.aad for paad0.99:0.75 iC0:0/5 n7000}
####EL5 {55.8}{95.5}{25.8}Adias.aad for paad0.99:0.75 iC0:2/5 n7000}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ####t15 {98.0}{12.9}{12.7}{4d:as.asd for pasd0.95:0.95 ic3:0/5 n7000} ####t15 {97.8}{96:3}{96:3}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ####15 {98.0}{11.7}{11.5}{4d.as.asd for pasd0.98:0.95 iC3:0/5 n7000} ####t15 {97.8}{96.1}{96.2}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #115 (91.0) {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} {0.0} 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             n7000}
n7000}
n7000}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              [88.2]{5.1}{5.0}{Ad:As:Asd for pAsd0.99:0.8 iC3:0/5 i
{78.3}{4.7}{3.7}{Ad:As:Asd for pAsd0.99:0.8 iC3:1/5 i
{55.3}{5.2}{2.7}{Ad:As:Asd for pAsd0.99:0.8 iC3:2/5 i
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (5) Examination using (3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6893 ###
6894 ####L15 {98
?? pAsd0.99:0.85
6895 ####L15 {97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ####115 {3
####15 {3
####15 {4
###15 {4
###15 {4
                                                                                                                                                                                         6889
```

#####15 {38.5}{5.0}{6.0}{6.0}{6.0}{6.0}{6.0}{6.0}{6.0}{6

701 (6) make Pigs for IOONID2014
702 (3)
703 pAs=0.09pAd=0.80;T=5;TT=15;gibbs=1;
702 (3)
703 pAs=0.00pAd=0.80;T=5;TT=15;gibbs=1;
704 pAs=0.80;Ad=0.95pAd=0.80;T=5;TT=15;gibbs=1;
705 (3)
706 fics=1;idd=0.80;T=5;TT=15;gibbs=1;
707 iC=2;idd=0.80;T=6.70pAd=0.80;T=5;TT=15;gibbs=1;
708 cat /dev/null > rest correct registered and unregistered sX
701 iC=2;idd=0.# test incorrect registered and unregistered sX
701 iC=2;idd=0.# test incorrect registered and unregistered sX
701 iC=2;idd=0.# test incorrect registered and unregistered sX
702 cat /dev/null > passum.dat
703 cat /dev/null > resultsum.dat
703 cat /dev/null > resultsum.dat
704 cat tmp/tested.sid=0.pd4; ic=3; if_1d=3; is_1, id=3; id=1; id

```
7057 set term tgifiser output "pds-t.obj";replot/set term XII
7058 set term tgifiser output "pds-t.obj";replot/set term XII
7059 #gibbs digits
7060 #set style data l/set xtics (0,5,10,15)/set ytics (0,0.5,0.96,1.0)/set grid/set xrange [-1.5:15.9]/
7061 set style data l/set xtics (0,5,10,15)/set ytics (0,0.5,0.96,1.0)/set grid/set xrange [-0.5:18.9]/
7061 set style data l/set xtics (0,5,10,15)/set ytics (0,0.5,0.96,1.0)/set grid/set xrange [-0.5:18.9]/
7061 set style data l/set xtics (0,5,10,15)/set ytics (0,0.5,0.96,1.0)/set grid/set xrange [-0.5:18.9]/
7062 plot "resultp_icsolcddg1.txt" using (%1+0.2)/style it 1, "" using (%1+0.2)/(%5)/syle it 1, "" using (%1+0.2)/(%5)/syle it 1, "" using (%1+0.2)/(%5)/syle it 1, "" using (%1+0.4)/syle it 1, "" using (%1+0.4)/syle it 1, "" using (%1+0.4)/syle it 1, "" using (%1+0.6)/syle it 1, "" using (%1+0.6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 7077 #bayes digits
7077 #bayes digits
7078 set tsyle data 1;set xtics (0,5,10,15);set ytics (0,0.5,0.8,1.0);set grid;set xrange [-1.5:15.9]; s
et yrange [-0.1:14];
7079 set style data 1;set xtics (0,5,10,15);set ytics (0,0.5,0.8,1.0);set grid; set xrange [-0.5:18.9]; s
et yrange [-0.2:1.2];
7080 plot 'resultp_icsolcd0G0.txt" using 1:5 t "pB" lt 1, "" using 1:($5):($5-$6):($5+$7) with yerrorbars
t "" pt 7 lt 1,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            set yrange [-0.2:1.2];
7072 plot "resultp_icsolcdodo.txt" using 1:2 t "pB" lt 1, "" using 1:($2):($2+$4) with yerrorbars t " pt 7 t 1, 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                7094 #gibbs speaker
7095 set style data 1/set xtics (0,5,10,15)/set ytics (0,0.5,0.8,1.0)/set grid/ set xrange [-1.5:15.9]/ set yrange [-0.1:1.4]/
et yrange [-0.1:1.4]/
7096 plot "../result-onsei/resultp_ics0icd0G1.txt" using 1:2 t "pg" lt 1, "" using 1:($2):($2-$3):($2+$4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 7051 #set style data 1/set xtics (0,5,10,15)/set ytics (0,0.5,0.8,1.0)/set grid; set xrange [-1.5:15.9]; set yrange [-0,1:1.4]; 7052 #set style data 1/set xtics (0,5,10,15)/set ytics (0,0.5,0.8,1.0)/set grid; set xrange [-0.5:17.9]; set yrange [-0,2:1.2]; 7053 set style data 1/set xtics (0,5,10,15)/set ytics (0,0.5,0.8,1.0)/set grid; set xrange [-0.5:15.9]; set yrange [-0,2:1.2]; 7053 set style data 1/set xtics (0,5,10,15)/set ytics (0,0.5,0.8,1.0)/set grid; set xrange [-0.5:15.9]; s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           errorbars t "" pt 6 lt 1, \ 7774 "resultp_ics3icd0G0.txt" using ($1+0.4):2 t "pB" lt 1, "" using ($1+0.4):($2):($2-$3):($2+$4) with y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "resultp_iCs0icdlG0.txt" using ($1+0.2):5 t "pB" lt 1, "" using ($1+0.2):($5):($5-$6):($5+$7) with y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       :s t "" pt 6 lt 1, \
"resultp_ics0icd2G0.txt" using ($1+0.4):5 t "pB" lt 1, "" using ($1+0.4):($5):($5-$6):($5+$7) with y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "resultp_iCs0icd0G1.txt" using 1:2 t "pG" lt 1, "" using 1:($2):($2-$3):($2+$4) with yerrorbar
%g %g\n",t,pS/n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    errorbars t "" pr 6 lt 1 706 set term tgif:set output "pdd-t.obj";replot;set term X11 706 set term tgif:set output "pdd-t.obj";replot;set term X11 7067 set style data 1:set xtics (0,5,10,15);set ytics (0,0.5,0.99,1.0);set grid;set xrange [-1.5:15.9]; set yrange [-0.1:1.4]; 7070 set style data 1:set xtics (0,5,10,15);set ytics (0,0.5,0.99,1.0);set grid;set xrange [-0.5:17.9]; 7070 set style data 1:set xtics (0,5,10,15);set ytics (0,0.5,0.99,1.0);set grid;set xrange [-0.5:17.9];
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       set yrange [-0.2:1.2]; 7071 set style data liset xtics (0,5,10,15);set ytics (0,0.5,0.99,1.0);set grid; set xrange [-0.5:15.9];
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       errorbars t "" pt 6 lt 1, \ 7083 "resultp_icsolcd3G0.txt" using ($1+0.6):($5):($5):($5-$6):($5+$7) with
        %g
%g
JmS+=($4*$4);UMS+=($5*$5);pD+=$6;UmD+=($7*$7);UMD+=($8*$8);n++;}} END{printf("%d %g %g
                                                                                    sqrt(UmS/n),sqrt(UMS/n),pD/n,sqrt(UmD/n), sqrt(UMD/n));}' >> resultp.dat
                                                                                                                                                                                          errorbars t "" pt 4 lt 1
7075 set term tejffset output 'pBs-t.obj".zeplotiset term XII
7076 top pss-t.obj ~/14.comjp/icomjp2014speech/draft
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          set term tgif;set output "pBd-t.obj";replot;set term X11 | cp pBd-t.obj ~/14iconip/iconip2014speech/draft
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cd ../result-onsei
gnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cd ../result-onsei
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   errorbars t "" pt 4 lt 1
7057 set term taif;set
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               errorbars t " pt 6 lt
7084 set term tgif;s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  gnuplot
#gibbs speaker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             [-0.2:1.2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #####orig
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         plot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                errorbars t
7082 "res
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    et yrange [
7054 plo
                                                                                                                                                                                                                                                                                                                                                          7045
7046
7047
7048
7049
7050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7081
```

```
exrorbars t "" pr 4 lt 1
7099 set term tglisset output "pds-t_ics023icd0.obj";replot;set term X11
7100 icp pds-t_ics023icd0.obj ~/14iconip/10onip2014speech/draft
7101 #gibbs digits
7102 set tsyle data 1;set xtics (0,5,10,15);set ytics (0,0.5,0.96,1.0);set grid;set xrange [-1.5:15.9]; s
et yrange [-0.1:1.4];
7103 plot "resultp_ics0icd0G1.txt" using 1:5 t "pd" lt 1, "" using 1:($5):($5-$6):($5+$7) with yerrorbars
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                errorbars t "" pt 6 lt 1
7107 set term tylf set output "pdd-t_ics0icd013.obj"/replot/set term X11
7108 #bayes speaker
7109 #bayes speaker
7109 #c style data 1/set xtics (0,5,10,15)/set ytics (0,0.5,0.99,1.0)/set grid/set xrange [-1.5:15.9]/s
7110 set style data 1/set xtics (0,5,10,15)/set ytics (0,0.5,0.99,1.0)/set grid/set xrange [-1.5:15.9]/s
7111 plot 'resultp_ics0icd0G0.txt" using 1:2 t "pB" lt 1, "" using 1:($2):($2-$3):($2-$4) with yerrorbars
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              7116 #bayes digits
717 set type data 1.set xtics (0,5,10,15);set ytics (0,0.5,0.8,1.0);set grid;set xrange [-1.5:15.9]; s
1717 set tyrange [-0.11.4];
718 plot "resultp_ics0icd00G0.txt" using 1:5 t "pB" lt 1, "" using 1:($5):($5-$6):($5+$7) with yerrorbars t
718 plot "resultp_ics0icd0G0.txt" using ($1+0.2):5 t "pB" lt 2, "" using ($1+0.2):($5):($5-$6):($5-$6):($5+$7) with y
7097 "../result-onsei/resultp_iCs2iCd0G1.txt" using ($1+0.2):2 t "pG" lt 2, "" using ($1+0.2):($2):($2-$3
):($2$$$) with yearcobast t " pt 6 lt l.\
7088 "resultp iGs3icAnal Per " ... ... ... ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     7104 "resultp_icsolcdid1.txt" using ($1+0.2):5 t "pd" lt 2, "" using ($1+0.2):($5):($5-$6):($5+$7) with y recobers t " pt 6 lt 1, " t 1 lt 1, " pt 6 lt 1, " pt 8 lt 1, " pt 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   errorbars t "" pt 6 lt 1, \ 7106 "resultp_icsolcd3d1.txt" using ($1+0.6):5 t "pG" lt 4, "" using ($1+0.6):($5):($5-$6):($5+$7) with y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "resultp_ics2icd0G0.txt" using ($1+0.2):2 "pB" lt 2, "" using ($1+0.2):($2):($2:$):($2+$4) with y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   errorbars t "" pt 6 lt 1, \ 7120 "resultp_icsolod2c0.txt" using ($1+0.4):5 t "pB" lt 3, "" using ($1+0.4):($5):($5-$6):($5+$7) with y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             errorbars t "" pt 6 lt 1, \
7121 "resultp_ics0icd3G0.txt" using ($1+0.6):5 t "pB" lt 4, "" using ($1+0.6):($5):($5-$6):($5+$7) with y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FR =3.1%
FA=89.7%
FA=0.1%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FA=73.1%
FA=52.9%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #correct registered Bayes(glbbs:0)
##115 (97.8) (96.3) (94.7) (AdiAsiAsd for pasd0.95:0.96 1C0:0/5 n7000) FR=5.3%
##115 (75.6) (95.8) (73.1) (AdiAsiAsd for pasd0.95:0.96 1C0:1/5 n7000) FA=73.1%
##115 (95.8) (95.3) (AdiAsiAsd for pasd0.95:0.96 1C0:2/5 n7000) FA=52.9%
##115 (35.3) (95.5) (33.8) (AdiAsiAsd for pasd0.95:0.96 1C0:3/5 n7000)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FA=0%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "pBd-t_iCs0iCd0123.obj";replot;set term X11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "pBs-t_iCs023iCd0.obj";replot;set term X11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #correct registered
#115 (99.1) [97.7] [96.9] [AdiAsiAsd for pasd0.95:0.96 iCO:0/5 n7000]
#115 [91.0] [98.2] [89.7] [AdiAsiAsd for pasd0.95:0.96 iCO:1/5 n7000]
#115 [0.2] [89.0] [0.1] [AdiAsiAsd for pasd0.95:0.96 iCO:2/5 n7000]
#115 [0.0] [97.7] [0.0] [AdiAsiAsd for pasd0.95:0.96 iCO:3/5 n7000]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #unregistered Bayes(gibbs:0) with pasd0.95:0.96
##115 (98.0) [12.9] [12.7] [AdiAs Asd for pasd0.95:0.96 iC3:0/5 n7000]
##115 (75.8) [12.2] [9.1] [AdiAs.sad for pasd0.95:0.96 iC3:1/5 n7000]
##115 [54.9] [12.7] [7.0] [AdiAs.Asd for pasd0.95:0.96 iC3:2/5 n7000]
##115 [35.5] [12.4] [4.8] [AdiAs.Asd for pasd0.95:0.96 iC3:3/5 n7000]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #LIS [99.2] [0.0] {0.0] {ad:as:asd for pasd0.95:0.96 iC3:0/5 n7000} #LIS [91.8] [0.0] {0.0] {ad:as:asd for pasd0.95:0.96 iC3:1/5 n7000} #LIS [0.1] {0.0] {0.0] {ad:as:asd for pasd0.95:0.96 iC3:2/5 n7000} #LIS [0.0] {0.0] {0.0] {ad:as:asd for pasd0.95:0.96 iC3:2/5 n7000}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #incorrect registered Bayes(gibbs:0)
##15 {98.1}{0.1}{0.1}{0.1}{0.3} Ad:As:Asd for pasd0.95:0.96 iC2:0/5 n7000}
##15 {76.3}{0.2}{0.3}{0.3} Ad:As:Asd for pasd0.95:0.96 iC2:1/5 n7000}
##15 {56.7}{0.2}{0.0}{0.0}Ad:As:Asd for pasd0.95:0.96 iC2:2/5 n7000}
##15 {56.7}{0.2}{0.0}{0.0}Ad:As:Asd for pasd0.95:0.96 iC2:3/5 n7000}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 errorbars t "" pt 6 1t 1
7123 set term tegliset output "pBd-t_iCsOiCdO123.obj",replot;set
7123 iop pBd-t_iCsOiCdO123.obj ~/14iconip/iconip2014speech/draft
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          !cp pBs-t_iCs023iCd0.obj ~/14iconip/iconip2014speech/draft
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            unregistered speaker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ##########################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               errorbars t "" pt 4 lt 1
7114 set term tgif/set output
7115 !cp pBs-t_ics023icd0.obi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #worst case
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      t "" pt 7 lt 1,
7112 "resultp_
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  t "" pt 7 lt 1,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 71284
71287
71287
71287
71287
71387
71387
71387
71387
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
71487
```

tmp/testsd.dat

```
7197 OXXXXXLC0.99896 n538t15 0.95429 0.04571 #t.pGC.pGiC sdP0:4 sdT4:4 lT0 iCdT0(Al5R0S0) Accept! pGC0.95 45p0.900000 method-sid=1 7198 0XXXXXLC0.98896 n94t15 0.94626 0.05374 #t.pGC.pGiC sdP0:6 sdT4:6 lT0 iCdT0(Al5R0S0) Accept! pGC0.94 65p0.900000 method-sid=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7184 x0xxxxLC0.99854 n343t15 0.96633 0.03367 #t,pdC,pdic sdP2:5 sdT1:5 1T2 icdT0(A15R0S0) Accept; pdC0.96 x5pA0.900000 mebthod-x1d=1 XXXX sx=1 7185 x0xxxxLC0.99838 n551t15 0.93668 0.06332 #t,pdC,pdic sdP0:5 sdT1:5 1T4 icdT0(A15R0S0) Accept; pdC0.93
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7>pa0.900000 method->id=1
7186 XxxxxxxLC0.25641 n888e15 0.90931 0.09069 #t,pGC,pGiC sdP0:1 sdT1:1 lT6 iCdT0(Al5R0S0) Accept: pGC0.90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           pGC0.90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          pGC0.96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    900000 method->id=1
'5 OxxxxxXLC0.99896 n126t15 0.91188 0.08812 #t,pGC,pGiC sdP0:0 sdT4:0 lT0 icdT0(A15R0S0) Accept: pGC0.91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                7>pA0.900000 method->id=1
7201
7202 xxxxxxLC0.61644 n354t15 0.90875 0.09125 #t,pGC,pGiC sdP2:2 sdT6:2 lT6 iCdT0(A15R0S0) Accept! pGC0.90
8>pA0.900000 method->id=1
7203 xxxxxxxLC0.99893 n786t15 0.91303 0.08697 #t,pGC,pGiC sdP5:0 sdT6:0 lT5 iCdT0(A15R0S0) Accept! pGC0.91
                                                                                                                                                                                                                                                                                                                                                                                      Accept! pGC0.96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                xxxoxxLC0.99821 n179t15 0.90756 0.09244 #t,pGC,pGiC sdP4:8 sdT0:8 1T9 iCdT0(A15R0S0) Accept! pGC0.90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                pGC0.93
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  pgc0.90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           pGC0.91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             pGC0.94
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         xxxxxxLC0.41667 n95t15 0.91614 0.08386 #t,pGC,pGiC sdP1:0 sdT4:0 lT3 icdT0(A15R0S0) Accept: pGC0.916
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OxxxxxLC0.99896 n389t15 0.91591 0.08409 #t,pGC,pGiC sdP0:4 sdT4:4 1T0 iCdT0(A15R0S0) Accept! pGC0.91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        xxxxxxc0.99928 n354t15 0.91709 0.08291 #t,pdC,pdic sdP2:2 sdT5:2 lT6 icdT0(Al5R0S0) Accept! pGC0.91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       xxxxxxoLC0.99893 n954t15 0.94445 0.05555 #t,pGC,pGiC sdP5:9 sdT6:9 1T5 iCdT0(A15R0S0) Accept! pGC0.94
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Accept! pGC0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Accept!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           xxxxxoLC0.99865 n165t15 0.90139 0.09861 #t,pGC,pGiC sdP6:1 sdT2:1 lT7 icdT0(A15R0S0) Accept!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Accept!
              >pA0.900000 method->id=1
7189 xxxxxxxLC0.33333 n171t15 0.91275 0.08725 #t,pGC,pGiC sdP5:3 sdT2:3 1T2 iCdT0(A15R0S0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7192 xxxoxXLC0.01571 n833t15 0.90508 0.09492 #t,pGC,pGiC sdP6:9 sdT2:9 lT7 iCdT0(A15R0S0) 5>pA0.900000 method->id=1 7193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                n418t15 0.93690 0.06310 #t,pGC,pGiC sdP4:8 sdT0:8 lT9 icdT0(A15R0S0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #16 Aad26.36 Aa26.07 Add97.06 Th000 pasd0.50:0.96 iC3:0/5
08 #115 Aad26.36 Aa26.07 Add97.06 Th000 pasd0.50:0.96 iC3:0/5
08 #115 Aad20.91 Aa25.81 Ad30.50 Th000 pasd0.50:0.96 iC3:1/5
08 #115 Aad314.97 Aa25.87 Ad36.30 Th000 pasd0.50:0.96 iC3:2/5
11 #115 Aad8.93 Aa56.01 Ad35.07 Th7000 pasd0.50:0.96 iC3:3/5
11 #115 Aad0.39 As0.44 Ad97.76 Th7000 pasd0.50:0.96 iC2:1/5
13 #115 Aad0.20 As0.51 Ad7.39 Th700 pasd0.50:0.96 iC2:1/5
14 #115 Aad0.20 As0.51 Ad57.71 Th7000 pasd0.50:0.96 iC2:1/5
15 #115 Aad0.20 As0.63 Ad35.91 Th7000 pasd0.50:0.96 iC2:1/5
16 #115 Aad0.10 As0.63 Ad35.91 Th7000 pasd0.50:0.96 iC2:3/5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #correct registerd Bayes
#tl5 As96.69 Ad97.60 n7000 pAsd0.50:0.96 iCO:0/5
#tl5 Asd98.16 As96.69 Ad97.60 n7000 pAsd0.50:0.96 iCO:1/5
#tl5 Asd78.26 As97.17 Ad79.90 n7000 pAsd0.50:0.96 iCO:1/5
#tl5 Asd34.10 As96.70 Ad55.71 n7000 pAsd0.50:0.96 iCO:3/5
#tl5 Asd33.63 As96.66 Ad34.57 n7000 pAsd0.50:0.96 iCO:3/5
  pgc, pgic
0.99000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /180 xxxOxxLC0.99821 n4
7>pA0.900000 method-sid=1
7181 xxxOxxT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8>pA0.900000 method->id=1
7180 xxx0xxLC0.99821 n4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9>pA0.900000 method->id=1
7187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2>pA0.900000 method->id=1
7196 Oxxxxxr.nn nnnn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3>pA0.900000 method->id=1
7204 xxxxxx0LC0.99893 nq
                                                                                                                                                                                                                                                                                                                                                        7176 xXxxxxLC0.54545 n3
7177 x0xxxxLC0.99854 n3
6>pA0.900000 method->id=1
7178
n343t0 0.01000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     >pA0.9u
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              7200
```

```
7223 #LIBOURTEEL UNIVESISEEREd Speaker
7224 #LIS Add21.09 A821.19 A439.77 H7000 phad0.50.0 96 LC310.5
7224 #LIS Add21.00 A821.10 A439.77 H7000 phad0.50.0 96 LC311.5
7228 #LIS Add21.00 A820.61 A60.00 077000 phad0.50.0 96 LC311.5
7228 #LIS Add0.00 A820.61 A60.00 077000 phad0.50.0 96 LC311.5
7229 #LIS Add0.00 A80.00 A60.00 A60.00 H7000 phad0.50.0 96 LC311.5
7229 #LIS Add0.00 A80.00 A60.00 A60.00 H7000 phad0.50.0 96 LC311.5
7221 #LIS Add0.00 A80.00 A60.00 A60.00 H7000 phad0.50.0 96 LC311.5
7224 #LIS Add0.00 A80.00 A60.00 A60.00 H7000 phad0.50.0 96 LC311.5
7224 #LIS Add0.00 A60.00 A60.00 A60.00 H7000 phad0.50.0 96 LC311.5
7224 #LIS Add0.00 A60.00 A60.00 A60.00 H7000 phad0.50.0 96 LC311.5
7224 #LIS Add0.00 A60.00 A60.00 H7000 phad0.50.0 96 LC311.5
7224 #LIS Add0.00 A60.00 A60.00 H7000 phad0.50.0 96 LC311.5
7224 #LIS Add0.00 A60.00 A60.00 H7000 phad0.50.0 96 LC311.5
7224 #LIS Add0.00 A60.00 A60.00 H7000 phad0.50.0 96 LC311.5
7224 #LIS Add0.00 A60.00 H7000 phad0.50.0 96 LC311.5
7224 #LIS Add0.00 A60.00 H7000 phad0.50.0 96 LC311.5
7225 #LIS Add0.00 A60.00 H7000 phad0.50.0 96 LC311.5
7226 #LIS Add0.00 A60.00 H7000 phad0.50.0 96 LC311.5
7227 #LIS Add0.00 A60.00 H7000 phad0.50.0 96 LC311.5
7228 #LIS Add0.00 A60.00 H7000 phad0.50.0 0.96 LC321.5
7228 #LIS Add0.00 A60.00 H7000 phad0.50.0 H7000 phad0.50.0 96 LC311.5
7229 #LIS Add0.00 A60.00 H7000 phad0.50.0 0.96 LC321.5
724 #LIS Add0.00 A60.00 H7000 phad0.50.00 H7000 phad0.50.0 96 LC311.5
725 #LIS Add0.00 A60.00 H7000 phad0.50.0 0.96 LC321.5
726 #LIS Add0.00 A60.00 H7000 phad0.50.0 0.96 LC321.5
727 #LIS Add0.00 A60.00 H7000 phad0.50.0 0.96 LC321.5
728 #LIS A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7275 cat ../../2012/12voicedata/allpole/oob4d:-IN40mbas2:100:1.6:lsXl.ystat
7276 40046psekeredigit-usx sp:fibs:fiman:Mk:mko.mmd:mmh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu n
txi:10 k:36 mbas:2:100:1.6:1 dir:.././2012/12voicedata/allpole di-1 N:40 sx:1 l
7277 0.957 0.997 0.003 0.043 6.576e-05 700 0 #TP.TN.PP.FN.ERR.n.txm0 sXl(TP1.000 TN1.000 ER0.000e+00 n100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.943 0.990 0.010 0.057 9.524e-05 700 4 #TP,TN,FP,FN,ERR,n,txm4 sX0(TP0.900 TN1.000 ER1.000e-03 n100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.943 0.989 0.011 0.057 9.751e-05 700 7 #TP,TN,FP,FN,ERR,n,txm7 SX0(TP1.000 TN0.989 ERI.111e-04 nl00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.929 0.992 0.008 0.071 1.134e-04 700 8 #TP,TN,FP,FN,ERR,n,txm8 sX0(TP0.800 TN0.989 ER2.111e-03 n100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ER1.111e-04 n100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ER1.222e-03 n100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.929 0.994 0.006 0.071 1.111e-04 700 3 #TP,TN,FP,FN,ERR,n,txm3 sX1(TP0.900 TN1.000 ER1.000e-03 n100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.971 0.987 0.013 0.029 5.896e-05 700 4 #TP,TN,FP,FN,ERR,n,txm4 sX1(TP1.000 TN1.000 ER0.000e+00 n100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.971 1.000 0.000 0.029 4.082e-05 700 5 #TP,TN,FP,FN,ERR,n,txm5 sX1(TP1.000 TN1.000 ER0.000e+00 nl00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7283 0.900 0.995 0.005 0.100 1.497e-04 700 6 #TP.TN.FP.FN.ERR.n.txm6 sX1(TP0.900 TN1.000 ER1.000e-03 n100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.929 0.987 0.013 0.071 1.202e-04 700 3 #TP,TN,FP,FN,ERR,n,txm3 sX0(TP0.900 TN0.978 ER1.222e-03 n100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1.000 1.000 0.000 0.000 0.000e+00 700 5 #TP,TN,FP,FN,ERR,n,txm5 $X0(TP1.000 TN1.000 ER0.000e+00 n100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.929 0.989 0.011 0.071 1.179e-04 700 6 #TP,TN,FP,FN,ERR,n,txm6 sX0(TP1.000 TN0.989 ER1.111e-04 n100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ER1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.986 0.995 0.005 0.014 2.721e-05 700 1 #TP,TN,FP,FN,ERR,n,txml sX1(TP1.000 TN0.989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.957 0.987 0.013 0.043 7.937e-05 700 2 #TP,TN,FP,FN,ERR,n,txm2 sX1(TP0.900 TN0.978
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.929 0.998 0.002 0.071 1.043e-04 700 1 #TP,TN,FP,FN,ERR,n,txm1 sX0(TP0.900 TN1.000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1.000 0.989 0.011 0.000 1.587e-05 700 2 #TP,TN,FP,FN,ERR,n,txm2 sX0(TP1.000 TN0.978
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1.000 0.998 0.002 0.000 2.268e-06 700 9 #TP,TN,FP,FN,ERR,n,txm9 sX0(TP1.000 TN1.000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               7266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            7273
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         7278
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 7268
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7269
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               7271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 7272
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     7279
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            7280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7267
```

Dec 05 2019 13:52:41

readmecan2mspeech.txt

(2) #see for s yu ntxi txi:10 | 7337 7371 7372 7373 7374 7333 7334 7335 7338 7344 7346 7375 7375 7377 7377 7378 7380 7381 7382 7388 7330 7329 7331 7339 7340 7341 7342 7343 7345 #oob4speakerdigit+sX sp:fhs:fms:mkk:mko:mmt:mnh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu n:s6 mbas:2:100:1.6:1 dir:../../2012/12voicedata/allpole d:-1 N:40 sX:5 c.36 mbas:2:100:1.6:1 dir:../../2012/12voicedata/allpole d:-1 N:40 sX:5
0.971 0.981 0.019 0.029 6.803e-05 700 0 #TP.TN.FP.FN.ERR, n.t.xm0 sX5 (TP1.000 TN0.989 ERI.111e-04 n100 ER2.222e-04 n100 ER1.111e-03 n100 0.900 0.986 0.014 0.100 1.633e-04 700 4 #TP,TN,FP,FN,ERR,n,txm4 sX2(TP0.800 TN0.978 ER2.222e-03 n100 1.000 0.997 0.003 0.000 4.535e-06 700 5 #TP,TN,FP,FN,ERR,n,txm5 sX2(TP1.000 TN1.000 ER0.000e+00 n100 ERO.000e+00 n100 ER1.222e-03 n100 ER1.111e-03 n100 0.829 0.992 0.008 0.171 2.562e-04 700 4 #TP,TN,FP,FN,ERR,n,txm4 sX3(TP0.800 TN1.000 ER2.000e-03 n100 ER1.444e-03 n100 ER1.000e-03 n100 ER1.111e-04 n100 ER1.000e-03 n100 0.971 0.992 0.008 0.029 5.215e-05 700 2 #TP,TN,FP,FN,ERR,n,txm2 sX4(TP1.000 TN0.989 ER1.111e-04 n100 ERO.000e+00 n100 ER1.111e-04 n100 0.957 0.984 0.016 0.043 8.390e-05 700 7 #TP,TN,FP,FN,ERR,n,txm7 8X4(TP0.900 TN0.956 ER1.444e-03 nl00 0.929 0.995 0.005 0.071 1.088e-04 700 1 #TP,TN,FP,FN,ERR,n,txml sX5(TP0.900 TN1.000 ER1.000e-03 n100 cat ../../2012/12voicedata/allpole/oobdd:-1N40mbas2:100:1.6:1sX3.ystat prob9speakardigit-kax ps:fibs:fins:mkk:mk:mmh:mym kx:aero:idh:ini:am:yon:go:roku:nana:hachi:kyu i k:36 mbas:2:100:1.6:1 dir:../../2012/12voicedata/allpole di-1 Ni40 sX:3 0.986 0.998 0.002 0.014 2.268e-05 700 0 #TP,TN,FP,FN,ERR,n,txm0 sX3(TP1.000 TN1.000 ERO.000e+00 nl0 cat ../../2012/12voicedata/allpole/oob4d:-1N40mbas2:100:1.6:1sX2.ystat
#00b4speakerdigit-esk sp:fms:mkt:mko:mmt:mmh:mym xx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu
k:36 mbas:2:100:1.6:1 dix:../../2012/12/20icedata/allpole di-1 N:40 sX:2
0.986 0.997 0.003 0.014 2.494e-05 700 0 #PP:YM;PP:PW;RRR.n;cxm0 sX2(rP1.000 TN0.989 ER1.111e-04 n10 #oobsepeakerdigit+aX sp:fhs:fms:mkk:mko:mmt:mnh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu k#oobsepeakerdigit+aX sp:fhs:fms:mkk:mko:mmt:mkh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu k*oobses:2:1001:1.6:1 dir:n.../.../2012/12voicedata/allpoic di-1 N:40 sx.4 4
0.957 0.003 0.043 6.576e-05 700 0 #fp:Ymy.fp:PR).ERK.ni.xxm0 sx4(fp1.000 TNO.989 ERI.11le-04 nl0 ER0.000e+00 TN0.989 ER1.111e-04 ER1.000e-03 0.986 0.998 0.002 0.014 2.268e-05 700 9 #TP,TN,FP,FN,ERR,n,txm9 sX3(TP1.000 TN1.000 ER0.000e+00 0.943 0.987 0.013 0.057 9.977e-05 700 3 #TP,TN,FP,FN,ERR,n,txm3 sX4(TP1.000 TN0.989 ER1.111e-04 ER1.111e-03 1.000 0.995 0.005 0.000 6.803e-06 700 9 #TP,TN,FP,FN,ERR,n,txm9 sx4(TP1.000 TN1.000 ER0.000e+00 ER2.222e-04 ER1.111e-03 ERO.000e+00 ER1.000e-03 ER1.333e-03 ER2.000e-03 ERO.000e+00 ER1.333e-03 ER1.000e-03 BV0.978 000 000 876.0NI 989.UNI 0.929 0.994 0.006 0.071 1.111e-04 700 6 #TP,TN,FP,FN,ERR,n,txm6 sx2(TP1.000 TN1.000 TN0.967 TN1.000 TN1.000 0.943 0.986 0.014 0.057 1.020e-04 700 2 #TP,TN,FP,FN,ERR,n,txm2 sX3(TP0.900 TN0.978 0.943 0.989 0.011 0.057 9.751e-05 700 3 #TP,TN,FP,FN,ERR,n,txm3 sX3(TP0.900 TN0.989 0.986 0.998 0.002 0.014 2.268e-05 700 5 #TP,TN,FP,FN,ERR,n,txm5 sX3(TP1.000 TN1.000 0.914 0.986 0.014 0.086 1.429e-04 700 7 #TP,TN,FP,FN,ERR,n,txm7 sX3(TP0.900 TN0.956 TN1.000 0.914 0.992 0.008 0.086 1.338e-04 700 1 #TP,TN,FP,FN,ERR,n,txml sX4(TP0.900 TN1.000 0.986 1.000 0.000 0.014 2.041e-05 700 5 #TP,TN,FP,FN,ERR,n,txm5 sx4(TP1.000 TN1.000 TN0.989 0 NI TN0.989 TN0.967 TM1.000 TN1. TNI. 0.943 0.989 0.011 0.057 9.751e-05 700 8 #TP,TN,FP,FN,ERR,n,txm8 sX4(TP0.900 0.986 0.986 0.014 0.014 4.082e-05 700 7 #TP,TN,FP,FN,ERR,n,txm7 sX1(TP1.000 700 8 #TP, TN, FP, FN, ERR, n, txm8 sX1 (TP0.900 1.000 0.987 0.013 0.000 1.814e-05 700 2 #TP,TN,FP,FN,ERR,n,txm2 sX2(TP1.000 0.900 0.994 0.006 0.100 1.519e-04 700 3 #TP,TN,FP,FN,ERR,n,txm3 sX2(TP0.900 0.983 0.017 0.071 1.270e-04 700 7 #TP,TN,FP,FN,ERR,n,txm7 sX2(TP0.900 700 8 #TP, TN, FP, FN, ERR, n, txm8 sX2(TP0.800 1.000 0.994 0.006 0.000 9.070e-06 700 9 #TP,TN,FP,FN,ERR,n,txm9 sX2(TP1.000 0.900 0.997 0.003 0.100 1.474e-04 700 1 #TP,TN,FP,FN,ERR,n,txml sX3(TP0.900 0.900 0.984 0.016 0.100 1.655e-04 700 6 #TP,TN,FP,FN,ERR,n,txm6 sX3(TP0.900 0.971 0.997 0.003 0.029 4.535e-05 700 8 #TP,TN,FP,FN,ERR,n,txm8 sX3(TP0.900 700 4 #TP, TN, FP, FN, ERR, n, txm4 sX4 (TP0.900 0.986 0.990 0.010 0.014 3.401e-05 700 6 #TP,TN,FP,FN,ERR,n,txm6 sX4(TP1.000 700 9 #TP, TN, FP, FN, ERR, n, txm9 sX1(TP1.000 700 1 #TP, TN, FP, FN, ERR, n, txml sX2(TP0.900 ../../2012/12voicedata/allpole/oob4d:-1N40mbas2:100:1.6:1sX4.ystat ../../2012/12voicedata/allpole/oob4d:-1N40mbas2:100:1.6:1sx5.ystat 0.003 0.086 1.270e-04 1.247e-04 5.669e-05 0.995 0.005 0.014 2.721e-05 1.497e-04 0.011 0.029 0.002 0.086 0.005 0.100 0.914 0.997 0.914 0.998 0.900 0.995 0.971 0.986 0.929 k:36 k:36 k:36 7297 7302 7303 7308 7309 txi:10 7313 7314 7318 txi:10 7325 7290 7289 7291 7292 7293 7294 7298 7304 7310 7315 7316 7317 7319 7287 7295 7296 7299 7301 7305 7306 7307 7312 7320 7321 7322 7323 7311

ER1.111e-04 n100 ER1.111e-03 n100 000e+00 n100 ER3.333e-04 n100 SX5(TP0.900 TN0.933 ER1.667e-03 n100 ER1.111e-03 n100 .222e-03 n100 ERO.000e+00 n100 ER1. ERO. SX5(TP1.000 TN0.989 SX5(TP0.900 TN0.989 SX5(TP0.900 IN0.978 SX5(TP1.000 TN1.000 SX5(TP1.000 IN0.967 0.943 0.994 0.006 0.057 9.070e-05 700 8 #TP,TN,FP,FN,ERR,n,txm8 sX5(TP0.900 TN0.989 1.000 0.997 0.003 0.000 4.535e-06 700 9 #TP,TN,FP,FN,ERR,n,txm9 sx5(TP1.000 TN1.000 0.957 0.994 0.006 0.043 7.029e-05 700 2 #TP,TN,FP,FN,ERR,n,txm2 0.143 2.290e-04 700 4 #TP, TN, FP, FN, ERR, n, txm4 0.000 1.587e-05 700 5 #TP, TN, FP, FN, ERR, n, txm5 0.957 0.975 0.025 0.043 9.751e-05 700 6 #TP,TN,FP,FN,ERR,n,txm6 0.929 0.970 0.030 0.071 1.451e-04 700 7 #TP,TN,FP,FN,ERR,n,txm7 0.886 0.990 0.010 0.114 1.769e-04 700 3 #TP,TN,FP,FN,ERR,n,txm3 0.857 0.983 0.017 1.000 0.989 0.011

cat ../../2012/12voicedata/allpole/oob4d:-IN40mbas2:100:1.6:1sX6.ystat
#oob4peakerdigit+aX gap:fib:fims:mkk:mko:mmh:mmh:mym tx:zero:idhi:ni:san:yon:go:roku:nana:hachi:kyu n
k:36 mbas:2:100:1.6:1 dir:../../2012/12voicedata/allpole di 1 N:40 sX:6
0.986 0.983 0.017 0.014 4.535e-05 700 0 #TP.7N.FP.FN.ERR.n.txm0 sX6(TP1.000 TN0.967 ER3.333e-04 n100 ER1.000e-03 n100 222e-03 n100 0.871 0.983 0.017 0.129 2.086e-04 700 4 #TP,TN,FP,FN,ERR,n,txm4 sX6(TP0.900 TN0.967 ER1.333e-03 n100 ERO.000e+00 n100 0.914 0.983 0.017 0.086 1.474e-04 700 6 #TP,IN,FP,FN,ERR,n,txm6 sX6(TP0.900 IN0.978 ER1.222e-03 n100 0.914 0.960 0.040 0.086 1.791e-04 700 7 #TP,TN,FP,FN,ERR,n,txm7 SX6(TP0.900 TN0.922 ER1.778e-03 nl00 ER1.000e-03 n100 ER0.000e+00 ER1. ER1. SX6(TP1.000 TN1.000 SX6(TP0.900 TN1.000 0.914 0.997 0.003 0.086 1.270e-04 700 2 #TP,TN,FP,FN,ERR,n,txm2 sX6(TP0.900 TN1.000 SX6(TP0.900 TN0.978 SX6(TP0.900 IN1.000 1.000 0.998 0.002 0.000 2.268e-06 700 9 #TP,TN,FP,FN,ERR,n,txm9 sX6(TP1.000 TN1.000 0.943 0.998 0.002 0.057 8.390e-05 700 1 #TP,TN,FP,FN,ERR,n,txml 0.900 0.986 0.014 0.100 1.633e-04 700 3 #TP,TN,FP,FN,ERR,n,txm3 0.986 0.997 0.003 0.014 2.494e-05 700 5 #TP,TN,FP,FN,ERR,n,txm5 0.914 0.983 0.017 0.086 1.474e-04 700 8 #TP,TN,FP,FN,ERR,n,txm8

cat ../../2012/12voicedata/allpole/oob4d:-1N40mbas2:100:1.6:1sx7.ystat
#oob4speaker3igit+e8x gap:fibs:fims:mkk:mkc:mmc:mmh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu n
k:36 mbas::2:100:1.6:1 dir:../../2012/12voicedata/allpole d:-1 Mcsx:7
0.986 0.987 0.013 0.014 3.855e-05 700 0 #TP.TM; PP.FM; RER, n, txm0 8X7(TP0.000 TNO.000 ER-nan n0)
0.986 0.987 0.013 0.014 3.855e-05 700 0 #TP.TM; PP.FM; RER, n, txm1 8X7(TP0.000 TNO.000 ER-nan n0)
0.914 0.999 0.011 0.1295 0.004 0.002 #TP.TM; PP.FM; RER, n, txm3 8X7(TP0.000 TNO.000 ER-nan n0)
0.914 0.985 0.015 0.015 0.014 4.308e-05 700 3 #TP.TM; PP.FM; RER, n, txm3 8X7(TP0.000 TNO.000 ER-nan n0)
0.914 0.985 0.010 0.014 4.308e-05 700 3 #TP.TM; PP.FM; RER, n, txm3 8X7(TP0.000 TNO.000 ER-nan n0)
0.914 0.985 0.005 0.000 6.803e-06 700 5 #TP.TM; PP.FM; RER, n, txm4 8X7(TP0.000 TNO.000 ER-nan n0)
0.843 0.986 0.014 0.157 2.449e-04 700 6 #TP.TM; PP.FM; RER, n, txm3 8X7(TP0.000 TNO.000 ER-nan n0)
0.900 0.900 0.010 0.100 1.000 1.555e-07 700 7 #TP.TM; PP.FM; RER, n, txm8 8X7(TP0.000 TNO.000 ER-nan n0)
0.910 0.990 0.010 0.100 1.000 1.555e-07 700 7 #TP.TM; PP.FM; RER, n, txm8 8X7(TP0.000 TNO.000 ER-nan n0)
0.910 0.910 0.010 0.100 1.000 0.043 6.122e-05 700 9 #TP,TM; PP.FM; RER, n, txm8 8X7(TP0.000 TNO.000 ER-nan n0)

20140501 at mesaho (1)a=1.6;b=300;N=40

 $b4speakerdigit+sX \ sp:fhs:fms:mkk:mko:mmt:mnh:mym \ tx:zero:i.chi:ni:san:yon:go:roku:nana:hachi:kmbas:2:\$\{b\}:\$\{a\}:1 \ dir:../../2012/12voicedata/allpole \ s:-1 \ N:\$\{N\} \ sX:\$\{aX\}"$ cmd="oob4speakerdigit+sX

cmd="oob4speakerdigit+sX sp:fhs:fms:mkk:mko:mmt:mnh:mym tx:zero:ichi:ni:san:yon:g 10 k:36 mbas:2:\${b}:\${a}:1 dir:../../2012/12voicedata/allpole d:-1 N:\${N} sX:\$sX" for sX in -1 0 1 2 3 4 5 6 7; do a=1.6;b=300;N=40 echo \$cmd;\$cmd cmdl="cat ../..

2013/02/27

go:roku:nana:hachi:k

 $\dots/\dots/2012/12$ voicedata/allpole/oob4d:-1N\$ $\{N\}$ mbas2:\$ $\{b\}:$ \$ $\{a\}:1sX$ \$ $\{sX\}$.ystat" speaker test for X #sXt=sX:\six\\:1; # test registered and unregistered :#sXt=sx\si\(sx\\:1; # test registered only:
#sXt=sx\si\(sx\\:1; # test registered only:
#sxt=sx\si\(sx\\:1; # test unregistered only: echo \$cmdl;\$cmdl

#papadd::th->pa:th->pad:th->r (#LAR:th->LA:th->LA:th->LAn likelihood for c pA=0.5;pAd=0.96; digit;noeffect) readmecan2mspeech.txt

```
7395 #incorrect unregistered
7395 #incorrect unregistered
7395 #incorrect unregistered
7396 University States 
                   correct (registered) speaker incorrect registered and unregistered
iCs=0;icd=0; # test c
iCs=1;icd=0; # test i:
iCs=2;icd=0; # test i:
iCs=3;icd=0; # test i:
```

4464 dat., \(\times \) 10.100.00454-1040.00454-1040.00450.00459.00 txiil0 k:36 m 7474 0.980 7474 0.980 7476 0.900 7477 0.910 7478 0.970 7481 #00b4 txiil0 k:36 m 7485 0.900 7485 0.900 7485 0.900 7485 0.900 7485 0.900 7485 0.900 7485 0.900 7487 0.900 7490 0.900 7491 0.900 7491 0.900 7491 0.900 7491 0.900 7491 0.900 7491 0.900 7491 0.900 7491 0.900 7491 0.900 7491 0.900 7491 0.900 7491 0.900 7491 0.900 7491 0.900 7491 0.900 7490 0.900 7500 0.900

7514 0.886 0.970 0.030 0.114 2.063e-04 700 2 #TP,TN,FP,FN,ERR,n,txm2 sX0(TP0.917 TN0.991 ER1.543e-04 n600 7515 0.771 0.995 0.005 0.229 3.333e-04 700 3 #TP,TN,FP,FW,ERR,n,txm3 sX0(TP0.900 TN0.996 ER1.728e-04 n600 0.886 0.989 0.011 0.114 1.791e-04 700 1 #TP,TN,FP,FN,ERR,n,txml sX0(TP0.933 TN0.993

Dec 05

0.5 ER6.173e-05 ER1.451e-04 ER3.086e-05 ER9.568e-05 ER4.630e-05 TN0.991 ER1.543e-05 ER2.654e-04 ER1.296e-ER8.025e-966 376.0NT TN0.989 366.0NI JN0.996 991 086.0NI TN0.985 INO. TNO. sX1(TP0.850 sX1 (TP0.967 700 8 #TP, TN, FP, FN, ERR, n, txm8 sX1 (TP0.983 700 9 #TP, TN, FP, FN, ERR, n, txm9 sX1 (TP1.000 700 1 #TP, TN, FP, FN, ERR, n, txml sX1(TP0.967 700 2 #TP, TN, FP, FN, ERR, n, txm2 sX1(TP0.917 700 4 #TP, TN, FP, FN, ERR, n, txm4 sX1 (TP0.933 SX1 (TP0.983 sX1(TP0.967 700 3 #TP, TN, FP, FN, ERR, n, txm3 700 6 #TP, TN, FP, FN, ERR, n, txm6 700 7 #TP, TN, FP, FN, ERR, n, txm7 700 5 #TP, TN, FP, FN, ERR, n, txm5 0.005 0.157 2.313e-04 0.016 0.086 1.451e-04 0.008 0.271 3.991e-04 9.070e-05 0.025 0.171 2.812e-04 0.035 0.071 1.519e-04 0.010 0.100 1.565e-04 1.000 0.992 0.008 0.000 1.134e-05 2.381e-04 0.057 0.010 0.157 0.006 0.992 0.975 0.843 0.995 0.984 0.990 0.994 0.965 0.990 0.729 0.914 0.843 0.943 0.829 0.929 0.900 k:36 txi:10 7524 7529 7533 7522 7523 7525 7526 7527 7528 7530 7531 7532

cat ../../2012/12voicedata/allpole/oobdd:-1N40mbas2:300:1.6:1sX2.ystat toobdspeakerdigit-kes ps:fibs:fibs:akk:ink:mbh:myn:xx:zero:iofh:ini:am:yon:go:xoku:nana:hachi:kyu i k:36 mbas:2:300:1.6:1 dir:../../2012/12voicedata/allpole di-1 Ni40 sx:2 0.943 0.994 0.006 0.057 9.070e-05 700 0 #TP,TN,FP,FN,ERR,n,txm0 sx2(TP0.950 TN0.993 ER9.568e-05 n60 ER1.235e-04 ER1.975e-04 ER3.086e-05 ER5.247e-05 ER2.438e-04 ER9.568e-05 ER6.481e-05 ER6.173e-06 ER2.037e-994 TN0.998 966 TN0.994 TN0.993 TN0.993 TN0.985 TN0.987 JN0.996 TNO. TNO. 700 4 #TP, TN, FP, FN, ERR, n, txm4 sX2(TP0.883 sX2(TP0.983 sX2(TP0.983 700 7 #TP, TN, FP, FN, ERR, n, txm7 sX2(TP0.867 SX2(TP0.967 700 9 #TP,TN,FP,FN,ERR,n,txm9 sX2(TP1.000 700 1 #TP,TN,FP,FN,ERR,n,txml sX2(TP0.933 700 2 #TP, TN, FP, FN, ERR, n, txm2 sX2(TP0.950 700 3 #TP, IN, FP, FN, ERR, n, txm3 sX2(TP0.883 700 5 #TP, TN, FP, FN, ERR, n, txm5 700 6 #TP, TN, FP, FN, ERR, n, txm6 700 8 #TP, TN, FP, FN, ERR, n, txm8 0.014 0.071 1.224e-04 1.542e-04 0.010 0.157 2.381e-04 6.349e-05 0.013 0.157 2.426e-04 0.029 0.114 2.041e-04 0.997 0.003 0.014 2.494e-05 2.721e-04 0.005 0.114 1.701e-04 0.008 0.100 0.002 0.043 0.005 0.186 0.992 0.998 0.995 0.986 0.995 0.990 0.987 0.971 0.929 0.814 0.957 0.900 0.843 0.843 0.886 0.886 0.986 k:36 txi:10 7536 7537 7539 7541 7543 7538 7540 7542 7544 7545 7534 7535

n600 cat ../../2012/12voicedata/allpole/oobdd:-1N40mbas2:300:1.6:1sX3.ystat
cot ../../2012/12voicedata/allpole/oobdd:-1N40mbas2:300:1.6:1sX3.ystat
k:36 mbas:2:300:1.6:1 dir:../../2012/12voicedata/allpole di-1 Ni40 sX:3
0.914 0.997 0.003 0.086 1.270e-04 700 0 #TP,TN,FP,FN,ERR,n,txm0 sX3(TP0.933 TN0.998 ER1.142e-04 n60 ER3.704e-05 ER1.512e-04 ER1.759e-04 ER3.704e-05 ER3.086e-05 ER1.481e-04 ER6.481e-05 ER1.543e-ER9 TN0.994 1NO.998 994 TN0.994 993 TN0.994 TN0.991 TN0.994 994 INO. TNO. TNO. 950 700 4 #TP, TN, FP, FN, ERR, n, txm4 sX3 (TP0.900 sX3(TP1.000 SX3 (TP0.917 700 2 #TP, IN, FP, FN, ERR, n, txm2 sX3(TP0.983 SX3 (TP0.917 sX3(TP0.983 SX3 (TP0.967 700 9 #TP, TN, FP, FN, ERR, n, txm9 sX3(TP0.983 SX3 (TP0. cat ../../2012/12voicedata/allpole/oob4d:-1N40mbas2:300:1.6:1sx4.ystat 700 3 #TP, TN, FP, FN, ERR, n, txm3 700 5 #TP, TN, FP, FN, ERR, n, txm5 700 1 #TP, TN, FP, FN, ERR, n, txml 700 6 #TP, TN, FP, FN, ERR, n, txm6 700 7 #TP, TN, FP, FN, ERR, n, txm7 700 8 #TP, TN, FP, FN, ERR, n, txm8 1.497e-04 1.610e-04 4.762e-05 0.011 0.114 1.791e-04 2.925e-04 0.003 0.014 2.494e-05 0.006 0.057 9.070e-05 0.016 0.129 2.063e-04 2.336e-04 0.005 0.100 0.013 0.100 0.157 0.005 0.029 0.005 0.200 0.995 0.994 0.987 0.984 0.995 0.989 0.995 0.997 0.943 0.900 0.900 0.871 0.971 0.886 0.986 0.800 0.843 k:36 txi:10 7548 7546 7547 7549 7550 7551 7553 7556 7557 7554 7555

nana:hachi:kyu n 204e-04 296e-04 ER1.451e-04 ER4.321e-05 ER9.568e-05 ER3.395e-05 ER1. ERO. ER2. ERO. ER1 sX4(TP0.983 TN0.996 .994 SX4(TP0.933 IN0.989 966.0NI sX4(TP0.950 TN0.993 TN1.000 SX4(TP0.983 TN0.991 INI sX4(TP0.933 TN0 ONL ONL 90: SX4(TP0.917 #oob4speakerdigit+sX sp:ffhs:fms:mkk:mkc:mmt:mnh:mym tx:zero:iddhi:ni:san:yon: k:36 mbss:2:3001.6:1 dir:.././2012/12/ooicedata/allpole d:-1 N:40 sX:4 0.871 0.998 0.002 0.129 1.859e-04 700 0 #TP.7N;PP.FN;ERR,n,txm0 sX4(TPL.000 196 sX4(TP1.000 867 SX4 (TP0. SX4 (TP0. 0.057 9.297e-05 700 1 #TP, TN, FP, FN, ERR, n, txml 0.129 2.154e-04 700 8 #TP, TN, FP, FN, ERR, n, txm8 0.986 0.997 0.003 0.014 2.494e-05 700 9 #TP,TN,FP,FN,ERR,n,txm9 0.086 1.315e-04 700 2 #TP,TN,FP,FN,ERR,n,txm2 0.200 2.993e-04 700 3 #TP,TN,FP,FN,ERR,n,txm3 2.449e-04 700 4 #TP, TN, FP, FN, ERR, n, txm4 0.129 1.837e-04 700 5 #TP,TN,FP,FN,ERR,n,txm5 0.029 8.617e-05 700 6 #TP,TN,FP,FN,ERR,n,txm6 0.257 3.832e-04 700 7 #TP, TN, FP, FN, ERR, n, txm7 readmecan2mspeech.txt 0.014 0.157 #oob4speakerdigit+sX 0.011 0.943 0.992 0.008 0.006 0.800 0.990 0.010 0.871 1.000 0.000 0.971 0.968 0.032 0.871 0.978 0.022 Dec 05 2019 13:52:41 0.914 0.994 0.843 0.986 0.743 0.989 txi:10 7560 7561 7562 7563 7564 7565 7566 7567 7568 7569

n600 .204e-04 n600 90-ER1.543e-04 ER9.877e-05 025e-05 .481e-04 ER9.259e-05 ER0.000e+00 ER3.086e-05 ER1. ER9. ER8. ER1. SX5(TP0.950 TN0.994 1.000 1.000 0.000 0.000 0.000e+00 700 9 #TP,TN,FP,FN,ERR,n,txm9 sX5(TP1.000 TN1.000 SX5(TP0.933 TN0.994 TN0.994 0.871 0.989 0.011 0.129 1.995e-04 700 3 #TP,TN,FP,FN,ERR,n,txm3 sX5(TP0.917 TN0.991 SX5(TP0.950 TN0.991 SX5(TP0.983 TN0.998 SX5(TP0.967 IN0.985 SX5(TP0.917 TN0.994 SX5(TP1.000 0.886 0.994 0.006 0.114 1.723e-04 700 1 #TP,TN,FP,FN,ERR,n,txml 0.114 1.746e-04 700 4 #TP, TN, FP, FN, ERR, n, txm4 0.086 1.406e-04 700 6 #TP, TN, FP, FN, ERR, n, txm6 0.086 1.338e-04 700 7 #TP, TN, FP, FN, ERR, n, txm7 0.886 0.995 0.005 0.114 1.701e-04 700 8 #TP,TN,FP,FN,ERR,n,txm8 0.014 3.628e-05 700 2 #TP,TN,FP,FN,ERR,n,txm2 0.014 2.948e-05 700 5 #TP,TN,FP,FN,ERR,n,txm5 0.986 0.989 0.011 0.886 0.992 0.008 0.986 0.994 0.006 0.013 0.914 0.992 0.008 0.914 0.987 txi:10 k:36 7572 0.97 7573 7571 7574 7575 7576 7577 7578 7579 7580 7581

n600 n600 ER1.389e-04 259e-06 ER9.568e-05 086e-06 ER7.099e-05 ER2.654e-04 ER4.630e-05 ER2.778e-05 ER1.821e-04 ER9. ER3. 0.829 0.998 0.002 0.171 2.472e-04 700 1 #TP,TN,FP,FN,ERR,n,txml sx6(TP0.917 TN1.000 SX6(TP1.000 TN0.994 SX6(TP0.950 TN0.993 WIN0.998 SX6(TP0.967 TN0.991 SX6(TP0.850 TN0.991 SX6(TP0.983 TN0.989 0.986 0.997 0.003 0.014 2.494e-05 700 9 #TP,TN,FP,FN,ERR,n,txm9 sx6(TP0.983 TN1.000 SX6(TP0.900 IN0.991 000 SX6(TP1. 0.914 0.990 0.010 0.086 1.361e-04 700 2 #TP,TN,FP,FN,ERR,n,txm2 0.157 2.472e-04 700 4 #TP, TN, FP, FN, ERR, n, txm4 0.857 0.987 0.013 0.143 2.222e-04 700 6 #TP, TN, FP, FN, ERR, n, txm6 0.013 0.200 3.039e-04 700 7 #TP,TN,FP,FN,ERR,n,txm7 0.857 0.990 0.010 0.143 2.177e-04 700 8 #TP,TN,FP,FN,ERR,n,txm8 0.857 0.992 0.008 0.143 2.154e-04 700 3 #TP,TN,FP,FN,ERR,n,txm3 700 5 #TP, TN, FP, FN, ERR, n, txm5 2.268e-05 0.014 0.002 0.843 0.984 0.016 0.986 0.998 0.800 0.987 txi:10 k:36 7584 0.98 7582 7593 7594 7585 7586 7587 7588 7589 7590 7591 7592

n700 070e-05 n700 ER1.111e-04 n700 ER1.429e-04 n700 ER1.814e-04 ER9.751e-05 ER9. SX7(TP0.900 TN1.000 SX7(TP0.943 TN0.994 943 TNO.989 0.057 1.111e-04 700 4 #TP, TN, FP, FN, ERR, n, txm4 sX7(TP0.943 IN0.979 TM0.987 886 SX7(TP0. SX7(TP0. ../../2012/12voicedata/allpole/oob4d:-1N40mbas2:300:1.6:1sX7.ystat 0.943 0.994 0.006 0.057 9.070e-05 700 1 #TP,TN,FP,FN,ERR,n,txm1 0.900 1.000 0.000 0.100 1.429e-04 700 5 #TP,TN,FP,FN,ERR,n,txm5 0.114 1.814e-04 700 2 #TP,TN,FP,FN,ERR,n,txm2 700 3 #TP,TN,FP,FN,ERR,n,txm3 9.751e-05 0.057 0.013 0.943 0.979 0.021 0.011 886 0.987 0.943 0.989 cat txi:10] 7596

7597 7598 7599 7601

TNO.990 ER5.169e-0

txm4 sX0(TP0.700

ER2.825e-0 ER1.751e-0 ER1.130e-0 ER1.270e-04 n700 7 oob4speakerdigit+sX sp:fhs:fms:mkk:mkc:mmt:mnh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu nt k:36 mbas:2:300:1.6:1 dir:../../2012/12voicedata/allpole sd:-1 N:40 sX:0 ER3.418e-0 ER1.723e-0 ER1.667e-0 ER3.418e-0 ER2.825e-0 ER1.667e-0 ER0.000e+0 ER1.667e-0 ER1.695e-0 ER1.723e-0 ER8.475e-0 ER5.650e-0 ER1.667e-0 ER1.667e-0 ER5.650e-0 ER3.333e-0 ERO.000e+0 ER2.825e-0 ER2.825e-0 ER1.723e-0 ER1.695e-0 ER1.780e-0 ER1.130e-0 ER8.475e-0 ER3.333e-0 ER2.825e-0 ER2.825e-0 ER1.156e-04 n700 ER1.497e-04 n700 #oob4speakerdigit+sX sp:fhs:fms:mkk:mko:mmt:mnh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu ER2.494e-05 ER1. c:36 mbas:2:300:1.6:1 dir:../../2012/12voicedata/allpole sd:-1 N:40 sX:0
0.900 0.999 0.001 0.100 1.449e-04 700 1 0 #TP,TN,FP,FN,ERR,n,sml txm0 sX0(TP0.900 TN0.998 SX0(TP0.900 TN0.997 0.019 0.000 2.692e-05 700 4 2 #TP,TN,FP,FN,ERR,n,sm4 txm2 sX0(TP1.000 TN0.993 1.000 0.999 0.001 0.000 2.070e-06 700 4 3 #TP, TN, FP, FN, ERR, n, sm4 txm3 sX0(TP1.000 TN0.998 0.800 0.996 0.004 0.200 2.919e-04 700 1 1 #TP,TN,FP,FN,ERR,n,sml txml sXO(TPO.800 TNO.995 0.900 0.996 0.004 0.100 1.491e-04 700 1 2 #TP,TN,FP,FN,ERR,n,sml txm2 sX0(TP0.900 TN0.997 SX0(TP0.900 TN1.000 700 1 4 #TP, IN, FP, FN, ERR, n, sml txm4 sX0(TP0.800 IN0.995 SX0(TP1.000 TN0.998 SX0(TP1.000 TN0.998 SX0(TP0.800 TN0.995 SX0(TP0.900 TN1.000 SX0(TP1.000 IN1.000 SX0(TP0.900 TN1.000 SX0(TP0.900 IN0.995 SX0(TP1.000 TN0.990 SX0(TP1.000 IN0.995 SX0(TP1.000 IN0.997 SX0(TP0.900 IN1.000 TM1.000 SX0(TP0.900 TN1.000 SX0(TP1.000 TN0.997 SX0(TP0.800 IN1.000 SX0(TP1.000 TN1.000 SX0(TP1.000 TN0.998 SX0(TP1.000 TN0.998 TWO.997 SX0(TP0.900 TN0.998 SX0(TP0.900 IN0.993 SX0(TP1.000 TN0.993 SX0(TP1.000 TN0.995 SX0(TP0.800 IN1.000 SX0(TP1.000 TN0.998 SX0(TP0.800 TN0.993 066 0.900 0.995 0.005 0.100 1.497e-04 700 7 #TP,TN,FP,FN,ERR,n,txm7 sX7(TP0.900 TN0.995 TN0.983 766.0NI SX0(TP0.900 SX0(TP0.900 INO. 1.156e-04 700 6 #TP, TN, FP, FN, ERR, n, txm6 sX7(TP0.929 700 8 #TP, TN, FP, FN, ERR, n, txm8 sX7 (TP0.929 700 9 #TP, TN, FP, FN, ERR, n, txm9 sX7 (TP0.986 36 mbas:2:300:1.6:1 dir:../../2012/12voicedata/allpole sd:-1 N:40 sX:0 cat .../../2012/12voicedata/allpole/oob4sd:-1N40mbas2:300:1.6:1sX0.ystat 0.000 0.100 1.429e-04 700 1 3 #TP,TN,FP,FN,ERR,n,sml txm3 1.000 0.999 0.001 0.000 2.070e-06 700 1 6 #TP,TN,FP,FN,ERR,n,sml txm6 0.900 1.000 0.000 0.100 1.429e-04 700 1 8 #TP, TN, FP, FN, ERR, n, sml txm8 0.000 0.000 0.000e+00 700 1 9 #TP, TN, FP, FN, ERR, n, sml txm9 0.004 0.100 1.491e-04 700 2 1 #TP, TN, FP, FN, ERR, n, sm2 txml 700 2 2 #TP, TN, FP, FN, ERR, n, sm2 txm2 0.900 0.997 0.003 0.100 1.470e-04 700 2 3 #TP,TN,FP,FN,ERR,n,sm2 txm3 700 2 4 #TP, TN, FP, FN, ERR, n, sm2 txm4 700 2 5 #TP, TN, FP, FN, ERR, n, sm2 txm5 0.900 1.000 0.000 0.100 1.429e-04 700 2 6 #TP,TN,FP,FN,ERR,n,sm2 txm6 0.000 0.100 1.429e-04 700 2 8 #TP, TN, FP, FN, ERR, n, sm2 txm8 700 2 9 #TP, TN, FP, FN, ERR, n, sm2 txm9 0.800 1.000 0.000 0.200 2.857e-04 700 3 0 #TP, TN, FP, FN, ERR, n, sm3 txm0 700 3 1 #TP, TN, FP, FN, ERR, n, sm3 txm1 700 3 2 #TP, TN, FP, FN, ERR, n, sm3 txm2 0.001 0.100 1.449e-04 700 3 5 #TP,TN,FP,FN,ERR,n,sm3 txm5 0.900 0.994 0.006 0.100 1.511e-04 700 3 6 #TP,TN,FP,FN,ERR,n,sm3 txm6 700 3 7 #TP, TN, FP, FN, ERR, n, sm3 txm7 0.000 0.200 2.857e-04 700 3 9 #TP,TN,FP,FN,ERR,n,sm3 txm9 700 4 1 #TP, TN, FP, FN, ERR, n, sm4 txml 700 1 5 #TP, TN, FP, FN, ERR, n, sml txm5 0.004 0.200 2.919e-04 700 1 7 #TP,TN,FP,FN,ERR,n,sm1 txm7 0.000 0.100 1.429e-04 700 2 0 #TP,TN,FP,FN,ERR,n,sm2 txm0 0.000 0.100 1.429e-04 700 2 7 #TP, TN, FP, FN, ERR, n, sm2 txm7 700 3 3 #TP, TN, FP, FN, ERR, n, sm3 txm3 700 3 4 #TP, TN, FP, FN, ERR, n, sm3 txm4 700 3 8 #TP, TN, FP, FN, ERR, n, sm3 txm8 0.001 0.000 2.070e-06 700 4 0 #TP, TN, FP, FN, ERR, n, sm4 txm0 0.929 0.983 0.017 0.071 1.270e-04 0.009 0.000 1.242e-05 1.000 0.997 0.003 0.000 4.141e-06 0.003 0.000 4.141e-06 0.000 0.000 0.000e+00 1.000 0.996 0.004 0.000 6.211e-06 0.001 0.000 2.070e-06 0.006 0.200 2.940e-04 0.003 0.014 2.494e-05 0.004 0.200 2.919e-04 2.277e-05 6.211e-06 1.491e-04 1.000 0.994 0.006 0.000 8.282e-06 0.004 0.000 6.211e-06 0.929 0.990 0.010 0.071 0.016 0.000 0.004 0.000 0.004 0.100 0.900 1.000 1.000 1.000 0.900 1.000 0.996 0.984 0.800 0.996 1.000 1.000 0.900 1.000 0.996 1.000 0.991 1.000 0.996 0.900 1.000 1.000 0.997 0.999 0.900 0.999 1.000 0.996 0.800 1.000 0.999 0.981 0.986 0.800 1.000 0.900 1.000 0.900 1.000 1.000 0.800 txi:10 k:36 n600) 7613 n600) 7622 n600) 7625 n600) 7626 n600) 7610 n600) 7612 4 n600) 7604 7607 xi:10 k 7608 7605 7606

9

readmecan2mspeech.txt Dec 05 2019 13:52:41

0.700 0.988 0.012 0.300 4.45le-04 700 4 4 #TP, TN, FP, FN, ERR, n, sm4

ER8.475e-0 ER1.695e-0 ER8.475e-0 ER1.751e-0 ER1.780e-0 ER5.650e-0 ER0.000e+0 ER3.362e-0 ER1.130e-0 txm7 sX0(TP1.000 TN0.997 ER5.650e-0 txm9 sX0(TP0.900 TN0.998 ER1.695e-0 TNO.998 ER1.695e-0 txm9 sX0(TP0.900 TN0.993 txm6 sX0(TP1.000 TN0.993 866.0MI TW0.997 TM0.995 TM0.998 txm7 sX0(TP0.900 TN0.995 766.0NI txm0 sX0(TP1.000 TN0.997 TM1.000 TM1.000 txm4 sX0(TP0.800 TN0.998 866.0NI TN0.995 WIN0.998 TM1.000 TN0.998 TM0.995 TM0.995 TN0.995 TM0.995 796.0NT]oob4speakerdigit+sX.c は変? 202行目付近で195行目のfntestを再定義していた。→修う 正チェック txm8 sX0(TP1.000 0.900 0.999 0.001 0.100 1.449e-04 700 4 5 #TP, TN,FP,FN,ERR,n,sm4 txm5 sX0(TP0.900 SX0(TP1.000 txm7 sX0(TP0.800 txm0 sX0(TP0.900 txm1 sX0(TP1.000 txm2 sX0(TP1.000 txm3 sX0(TP1.000 txm4 sX0(TP1.000 txm5 sX0(TP1.000 SX0(TP1.000 txm8 sX0(TP0.800 txm1 sX0(TP1.000 txm2 sX0(TP1.000 txm3 sX0(TP0.700 txm5 sX0(TP1.000 SX0(TP1.000 SX0(TP1.000 txm6 txm8 txm9 txm6 1.000 0.990 0.010 0.000 1.449e-05 700 4 6 #TP, TN, FP, FN, ERR, n, sm4 0.000 2.070e-06 700 5 5 #TP, TN, FP, FN, ERR, n, sm5 0.800 0.997 0.003 0.200 2.899e-04 700 4 7 #TP, TN, FP, FN, ERR, n, sm4 0.000 2.070e-06 700 4 8 #TP, TN, FP, FN, ERR, n, sm4 700 4 9 #TP, TN, FP, FN, ERR, n, sm4 0.100 1.449e-04 700 5 0 #TP, TN, FP, FN, ERR, n, sm5 1.000 0.996 0.004 0.000 6.211e-06 700 5 1 #TP, TN, FP, FN, ERR, n, sm5 1.000 0.999 0.001 0.000 2.070e-06 700 5 2 #TP, TN, FP, FN, ERR, n, sm5 1.000 0.991 0.009 0.000 1.242e-05 700 5 3 #TP, IN, FP, FN, ERR, n, sm5 1.000 0.996 0.004 0.000 6.211e-06 700 5 4 #TP, TN,FP,FN,ERR,n,sm5 1.000 0.996 0.004 0.000 6.211e-06 700 5 6 #TP, TN, FP, FN, ERR, n, sm5 0.900 0.996 0.004 0.100 1.491e-04 700 5 7 #TP, TN, FP, ERR, n, sm5 0.800 0.997 0.003 0.200 2.899e-04 700 5 8 #TP, IN, FP, FN, ERR, n, sm5 0.900 0.994 0.006 0.100 1.511e-04 700 5 9 #TP, TN, FP, FN, ERR, n, sm5 1.000 0.997 0.003 0.000 4.141e-06 700 6 0 #TP, TN, FP, FN, ERR, n, sm6 1.000 0.996 0.004 0.000 6.211e-06 700 6 1 #TP, TN, FP, FN, ERR, n, sm6 1.000 1.000 0.000 0.000 0.000e+00 700 6 2 #TP, TN, FP, FN, ERR, n, sm6 0.300 4.286e-04 700 6 3 #TP, IN, FP, FN, ERR, n, sm6 0.800 0.999 0.001 0.200 2.878e-04 700 6 4 #TP, TN, FP, FN, ERR, n, sm6 1.000 0.996 0.004 0.000 6.211e-06 700 6 5 #TP, TN, FP, FN, ERR, n, sm6 1.000 0.994 0.006 0.000 8.282e-06 700 6 6 #TP,TN,FP,FN,ERR,n,sm6 1.000 0.997 0.003 0.000 4.141e-06 700 6 7 #TP, TN,FP,FN,ERR,n,sm6 1.000 0.999 0.001 0.000 2.070e-06 700 6 8 #TP, TN, FP, FN, ERR, n, sm6 0.100 1.449e-04 700 6 9 #TP, TN, FP, FN, ERR, n, sm6 0.000 0.000e+00 ############# 1.000 0.999 0.001 1,000 1,000 0,000 0.900 0.999 0.001 1,000 0,999 0,001 0.700 1.000 0.000 0.900 0.999 0.001 7664 4 n600) 7649 0 n600) 0 n600) 7663 4 n600) 6 n600) 7666 5 n600) 7667 n600)

7676 #time oob4speakerdigit+sX sp:fhs:fms:mkk:mko:mmt:mnh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi: 7677 ##result with rm result-ensrs?ca/rm/**

##result with rm result-ensrs2ge/tmp/* #real5mi3.994s user4m30.077s sys0mi3.37s with rm result-ensrs2ge/tmp/ #real5mi2.825s user4m29.161s sys0mi2.469s with copy pred.dat files #real5mi2.242s user4m24.089s sys0mi3.205s without anything 7680

../12voicedata/allpole/oob4s:-1N40mbas2:10:1.6:1sX3.ystat

#cat

#time oob4speakerdigit+sX sp:fhs:fms:mkt:mko:mmt:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi: 110 k:36 mbas:21:01-16:1 dir:.././2012/12voicedat-Alipola sr:1 N:40 sx:3 #0.960 0.987 0.013 0.040 7.619e-05 700 0 #Pp:Ymy.Pp:PN.DRR.n.sm0 sxX(TPD:960 TWO.988 ER8.667e-05 n600 kyu ntxi:10 k: 7684 #0.960 7681 7682 7683

ER8.667e-05 n600 0.037 0.030 9.524e-05 700 2 #TP,TN,FP,FN,ERR,n,sm2 sX3(TP0.970 TN0.986 ER7.333e-05 n600 ER9.000e-05 n600 #0.950 0.972 0.028 0.050 1.119e-04 700 6 #TP,TN,FP,FN,ERR,n,sm6 sx3(TP0.950 TN0.984 ER1.100e-04 n600 0.002 0.050 7.381e-05 700 1 #TP,TN,FP,FN,ERR,n,sml sX3(TP0.950 TN0.998 0.023 0.050 1.048e-04 700 4 #TP, TN, FP, FN, ERR, n, sm4 sX3(TP0.950 TN0.996 SX3(TP0.980 IN0.976 700 5 #TP, TN, FP, FN, ERR, n, sm5 0.067 0.020 1.238e-04 #0.950 0.998 #0.970 0.963 #0.950 0.977 #0.980 7685 7686 7687 7688 7689

7690

Dec 05 2019 13:52:41

eadmecan2mspeech.txt

13:52:41

05 2019

```
0.909 0.999 0.001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             606
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               909
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              n600)
                                                                                                                                                                                                                                                                                                                                                                                                                            n600)
7768
n600)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7769

n600)

7770

n600)

7771

n600)

7772

n600)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7774

n600)

7775

n600)

7776

n600)

7778

n600)

7778

n600)

7779
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 7781
n600)
7782
n600)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7783
n600)
7784
n600)
7785
n600)
7786
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    7788

17789

17789

17790

17791

17791

17792

17792
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        7793
n600)
7794
n600)
7795
n600)
7796
                                                                                                                                                                                                         7761
7762
7763
7764
txi:10
                                                                                                                      7759
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9
                                                                           6:18XO.ystat
ym tx:zeco:idni:ni:san:yon:go:roku:nana:hachi:kyu n
1-1 N:40 8x:0
FW.ERR.n,sml sXO(TPO.950 TWO.988 ER1.033-04 n600)
FW.ERR.n,sml sXO(TPO.910 TWO.912 ER1.057-04 n600)
FW.ERR.n,sml sXO(TPO.910 TWO.912 ER1.267-04 n600)
FW.ERR.n,sms sXO(TPO.94 TWO.948 ER1.267-04 n600)
FW.ERR.n,sms sXO(TPO.90 TWO.970 ER1.0000-04 n600)
FW.ERR.n,sms sXO(TPO.90 TWO.970 ER1.000-04 n600)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   h: mym tx:zero:ichi:ni:san:y
e s:-1 N.40 sx7:
0 TNO.994 ER4.33a-05 n600)
0 TNO.990 ER6.667e-05 n600)
0 TNO.978 ER1.167e-04 n600)
0 TNO.992 ER8.000e-05 n600)
0 TNO.992 ER8.000e-05 n600)
                                                                                                                                            n600)
n600)
n600)
n600)
n600)
                                                                                                                                                                                                                                                                                                                                                               n600)
n600)
n600)
n600)
n600)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                n600)
n600)
n600)
n600)
n600)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            n600)
n600)
n600)
n600)
n600)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ../12voicedata/allpole/oob
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             go:roku:nana:hachi:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu
                                                                                                                                                                                                                                                                                                                       roku:nana:hachi:kyu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 N:40 sx:3
1 N:40 sx:3
1 090 ER5.000e-05 n
988 ER8.667e-05 n
976 ER1.967e-04 n
970 ER1.167e-04 n
970 ER1.167e-04 n
970 ER1.167e-04 n
                                                                                                                                                                                                                                                                                                                                                             ..000e-05 1
..267e-04 1
..600e-04 1
..233e-04 1
..667e-04 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ..033e-04
..467e-04
..967e-04
..267e-04
..000e-04
..633e-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 173e-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ER2.099e-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ER6.790e-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          XS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      tx:zero:ichi:ni:san:yon:go:roku:nana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ER6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ER1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ER1
                                                                                                                                                                                                                                                                                                                                                               ER3
ER1
ER1
ER1
ER1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ER1
ER1
ER1
ER1
ER1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ΙI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              966
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    991
                                                                                                                                                                                                                                                                                                                                                               9992
984
986
970
970
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            988
982
972
970
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     についてはout-of-bagで予測
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           mym t s:-1 TNO .9 TNO .9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     7736 time oob4speakerdigit+aX sp:fhs:fms:mkk:mko:mmt:mmh:mym tx:zero:ichi:ni:san:yon:yu nrx:i10 k:36 habas:2:3001.1.6:1 dir:../12voicedata/allpole s:-1 N:40 sX:0 7737 real36m3.055 user27m50.0448 sys5bz.033 7737 real36m3.055 user27m50.0448 sys5bz.033 7738 kuro@kurolab-VB:-/sotu/2013/can2b$ cat ../12v
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TNO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TNO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TNO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TNO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TNO.
                                                                                                                                                                                                                                                                                                                                                             ONT
ONT
ONT
ONT
ONT
ONT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ONE CONTE
                                                                                                                                                                                                                                                                                                                       96
                                                                                                                                                                                                                                                                                         cat ../12voicedata/allpole/oob4s:-IN40mbas2:300:1.6:1sX1.ystat
#aoob4spekerdigity-tex sp:fhs:inks:inks:inko:inmt:inmt.ivmy xt.szero:ichi:ini:san:yon:c:36 mbas:22:300:1.6:1 dir:../12voicedata/allpole s:-I N:40 sX:1
0.990 0.952 0.048 0.010 8.333e-05 700 0 #TP,TN,FP,FN,ERR,n,sm0 sX1(TP0.990 TP
0.940 0.953 0.037 0.060 1.381e-04 700 2 #TP,TN,FP,FN,ERR,n,sm3 sX1(TP0.940 TP
0.920 0.985 0.015 0.060 1.387e-04 700 3 #TP,TN,FP,FN,ERR,n,sm3 sX1(TP0.920 TP)
0.940 0.985 0.015 0.060 1.377e-04 700 6 #TP,TN,FP,FN,ERR,n,sm8 sX1(TP0.940 TP)
0.930 0.967 0.033 0.070 1.476e-04 700 6 #TP,TN,FP,FN,ERR,n,sm6 sX1(TP0.930 TP)
0.950 0.957 0.033 0.040 1.048e-04 700 6 #TP,TN,FP,FN,ERR,n,sm6 sX1(TP0.930 TP)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SX0 (TP0.967
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cat .../12voicedata/allpole/oob4s:-lN40mbas2:300:1.6:1sX2.ystat
= #\home\ruce\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\kuvc\square\
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          at ../12voicedata/allpole/oob4s:-IN4Ombas2:300:1.6:1sX3.ystat
# thome/kuro/sout/2013/can2bOrob4speakerdigit1eX sp:fhst fins:inkf.mc; mmt:imh:ircoku:nana:hachi:kyu ntxi:10 k:36 mbas::3:300:1.6:1dx:../12voicedata/allpole
0.980 0.980 0.012 0.020 4.524e-05 700 0 #TP,TN,FP,FW,ERR,n,sm0 sX3(TPO.980 0.090 0.010 0.040 7.134a-05 700 1 #TP,TN,FP,FW,ERR,n,sm0 sX3(TPO.980 0.090 0.997 0.043 0.100 0.040 7.134a-05 700 1 #TP,TM,FP,FW,ERR,n,sm1 sX3(TPO.960 0.090 0.957 0.043 0.100 2.0448e-04 700 2 #TP,TM,FP,FW,ERR,n,sm4 sX3(TPO.900 0.095 0.953 0.040 1.333e-04 700 5 #TP,TW,FP,FW,ERR,n,sm6 sX3(TPO.900 0.097 0.043 0.090 1.905e-04 700 6 #TP,TW,FP,FW,ERR,n,sm6 sX3(TPO.900 0.097 0.043 0.090 1.905e-04 700 6 #TP,TW,FP,FW,ERR,n,sm6 sX3(TPO.900 0.097 0.094 0.095 0.090 0.906 0.907 0.006 0.097 0.006 0.097 0.006 0.097 0.006 0.006 0.007 0.006 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007 0.007
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SX0 (TP0.917
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4 #TP, TN, FP, FN, ERR, n, txm4 sX0 (TP0.883
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            950
930
910
940
970
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SX0 (TP0.967
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (TP0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SX0 (TP0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TP0.
TP0.
TP0.
TP0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8X0(
8X0(
8X0(
8X0(
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #oob4speakerdigit+sx sp:fhs:fms:mkk:mko:mmt:mnh:mym tx:zero:ichi
c:36 mbas:2:300:1.6:1 dir:../12voicedata/allpole d:-1 N:40 sX:0
0.951 0.995 0.005 0.049 7.696e-05 700 0 #TP,TN.FP,FN,ERR,n,txm0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      N:40 sx:0
,ERR,n,sml s,ERR,n,sm2 s,ERR,n,sm3 s,ERR,n,sm4 s,ERR,n,sm4 s,ERR,n,sm5 s,ERR,n,sm6 s,ERR,n,sm6 s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               700 5 #TP, TN, FP, FN, ERR, n, txm5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ERR, n, txm2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ERR, n, txm3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           n,txml
                                                                        ERR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ø
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #cob4speakerdigit+sX spfhs:fms:mkk:mkc:mmt:mnh:mym t. R:36 mbas:2:30001.6:1 dir:../12voicedata/allpole s:-1 0.941 0.953 0.047 0.059 1.516e-04 700 1 #TP_IN.FP.FN., 0.921 0.985 0.015 0.079 1.346e-04 700 2 #TP_ITN,FP.FN., 0.931 0.970 0.030 0.099 1.844e-04 700 3 #TP_ITN,FP.FN., 0.931 0.950 0.060 0.040 0.040 1.33e-04 700 5 #TP_ITN,FP.FN., 0.950 0.060 0.040 0.040 1.33e-04 700 5 #TP_ITN,FP.FN., 0.950 0.050 0.040 0.040 1.33e-04 700 6 #TP_ITN,FP.FN., 0.931 0.972 0.028 0.069 1.30e-04 700 6 #TP_ITN,FP.FN.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 #TP, TN, FP, FN,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #TP, TN, FP, FN,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ďΩ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     out-of-bagを導入
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3 #TP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      speaker verification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20140123 text_prompted speaker verification
(1) ZANZによる学習と予測
のDANZによるようでは、
00045peakerdigit+8X.c
10c4では疑臘帯が低すぎる→ out-of-bagを
いては客学習したネットでbagging予測
(out-of-bagがなせいいのかは分からない?)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CJ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.016e-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1.462e-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1.964e-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1.706e-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2.321e-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           48:-IN4Ombas2:300:1.6:1sX0.ystat
7739 #00b4pseakexfaiglt+sX sp.ffhs
7740 0.941 0.953 0.047 0.059 1.5
7741 0.921 0.985 0.047 0.059 1.5
7742 0.901 0.970 0.030 0.099 1.8
7743 0.931 0.942 0.058 0.069 1.8
7744 0.950 0.960 0.040 0.040 1.1
7745 0.931 0.972 0.028 0.069 1.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         082
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.022 0.049
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.098
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.031 0.131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.969
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.978
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.961
:1.6:1sX3-1.y
7691 修正後
7692 /1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.951
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.902
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.869
                                                                                                                                                                                                                                                                                                                                         k:36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          k:36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              7732
7733
(20 U
                                                                                                                      txi:10
7695
7696
7696
7698
7700
7701
7703
5xi:10
7704
7704
7704
7704
7706
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 exi:10
7751
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7746
7747
7748
7749
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    7752
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    7753
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               7754
```

n600 247e-05 568e-05 259e-06 ERS. ER2. ER9. ER9 .993 ONL ONL 983 950 000 SX0(TP1.000 TP1. SX0(TP0. exo () 0Xs txm6 #TP, TN, FP, FN, ERR, n, txm7 #TP, TN, FP, FN, ERR, n, txm8 txm9 FN, ERR, n, 'n, ERR E, FP, ΉĐ WIT, TIT HTP, TN 9 œ σ 700 700 700 700 037e-05 4.130e-05 1.071e-04 6.707e-06 0.066 0.016 0.000 0.009 .023 0.013 0 995 0.991 0 196

ER1. ER3. ERO. ER1 TN0.998 000 995 000 000 997 966 TNO.998 TNO. TNO. ONL ONL INI ONL TNI IN IN SX0(TP0.900 900 900 800 000 000 800 900 000 900 TPO. SX0(TP0. SXO(TPO. SX0(TP1. SX0(TP1. SXO(TPO. SXO(TP1. SXO(TPO. :ni:san: txm0 txm2 txm9 txm0 txm1 txm3 txm4 txm5 txm6 txm7 txm8 real489m40.883s user394m6.894s sys60m16.338s cat ../12xoicedata/allpole/oob4sd:-lN40mbas2:300:1.6:lsX0.ystat #900b4speakerdigit-ksx sp:fhs:fms:mkk:mko:mmt:mmh:mym tx:zero:ichi::4:36 mbas:2:300:1.6:1 dir:../12xoicedata/allpole sd:-1 N:40 sX:0 0.818 0.999 0.001 0.182 2.618e-04 700 1 0 #TP.TN.FP.FN.ERR.n.sml n,sml n,sml ERR,n,sml n,sml n,sml ERR,n,sml n,sm2 n,sml n,sml ERR, n, sml ERR. ERR, ERR, ERR, ERR, ERR, ERR, FP, FN, ĒN, TN, FP, FN, , FN, FP, FN, TN, FP, FN, 700 1 4 #TP, TN, FP, FN, #TP, TN, FP, FN, 1 6 #TP, TN, FP, FN, FP, FN, FP, FP E, E, N. E, E, 1 1 #TP, 700 1 2 #TP, #TP, #TP, #TP, 700 1 9 #TP, #TP, 700 1 3 700 1 5 700 1 7 1 8 700 2 0 700 700 700 0.182 2.660e-04 1.319e-04 3.958e-04 1.299e-04 2.597e-04 0.273 3.958e-04 2.597e-04 3.958e-04 1.527e-04 2.597e-0.182 0.091 0.273 0.091 0.091 0.273 0.182 0.182 0.016 0.004 0.004 0.001 0.000 000 .004 000 0.004 0 0 0 0 1.000 966 0.818 0.996 000 0.984 966 000 0.996 0.999 000 0 606 606 0.909

ER1.695e-0 ER5.650e-0 ER1. ER1. ER1. ER1 ER8 ER1 ER1. 995 995 000. 000 000 966 997 066.0NT 997 TN1.000 799.0NI 000 998 TNO.993 WO. 998 TNO. TNO. TNO. ONL ONL UNI IN INI E TNI DNT. 000 900 000 900 000 000 SX0(TP0.900 900 SX0(TP1.000 800 000 000 900 900 SX0(TP0.900 SX0(TP0.900 SXO(TP1. SXO(TPO. SXO(TP1. SX0(TP0. SX0(TP0. SX0(TP1. TP1 SXO(TP1. SXO(TPO. SXO(TPO. SX0(TP0. txm1 txm2 txm3 txm4 txm5 cxm6 txm9 txm1 txm2 txm3 txm5 txm7 txm8 txm0 txm4 txm6 n,sm3 ERR, n, sm2 700 2 2 #TP, TN, FP, FN, ERR, n, sm2 n,sm2 n,sm2 n,sm2 n,sm2 n,sm2 #TP, TN, FP, FN, ERR, n, sm2 0.091 1.340e-04 700 2 9 #TP, IN, FP, FN, ERR, n, sm2 sm3 ERR, n, sm3 n,sm3 ERR, n, sm3 700 3 5 #TP, TN, FP, FN, ERR, n, sm3 n,sm3 ERR, ERR, ERR, ERR, ERR, ERR, ERR, ERR, ERR, FP, FN, FP, FN, FP, FN, FP, FN, TN, FP, FN, , FN, FN, 700 2 1 #TP, TN, FP, FN, TN, FP, FN, FP, FN, 700 3 4 #TP, TN, FP, FN, TN, FP, FN, FP, 표 N. 2 4 #TP, TN, E, E, II, N. E, #TP, 2 3 #TP, #TP, 2.597e-04 700 2 6 #TP, #TP, 700 3 1 #TP, #TP, 1.319e-04 700 3 3 #TP, #TP, 2 5 2 8 700 3 0 700 3 2 2.680e-04 700 3 6 700 2 7 700 700 700 700 1.423e - 040.182 2.639e-04 1.361e-04 2.597e-04 0.273 3.896e-04 0.182 2.660e-04 1.340e-04 0.182 2.597e-04 1.299e-04 0.182 2.660e-04 2.618e-04 1.382e-04 1.361e-04 0.182 0.091 0.091 0.091 0.182 0.091 0.091 0.182 0.091 0.182 0.003 0.000 0.004 0.004 0.003 0.000 0.000 0.000 0.001 0.004 900.0 0.009 000 0.003 .004 0.001 0 0 0 966.0 966.0 0.999 0.991 766 0.997 1.000 000 1.000 0.997 1.000 1.000 966.0 966 994 0.999 818 0.909 606 606 606 606 606 909

ER2.825e-0

1NO.998

txm3 sX0(TP1.000

TN0.993

000

txm2

0.091 1.568e-04 700 4 2 #TP, TN, FP, FN, ERR, n, sm4 0.091 1.319e-04 700 4 3 #TP, TN, FP, FN, ERR, n, sm4

ER8.

995 000

TNO.

SXO(TP1. SX0(TP0. SX0(TP1. SXO(TPO. SX0(TP1.

txm8 txm9 txm0 txm1

IN, FP, FN, ERR, n, sm3

1.361e-04 3.896e-04

0.004

INI

n,sm3

ERR,

FN,

FP,

E,

700 3 9

0.273 0.091

000

.

ERR, n, sm4 ERR, n, sm4

700 4 0 #TP, TN, FP, FN,

1.319e-04

0.001

0

#TP, TN, FP, FN,

700 4 1

3.979e-04

0.273

0.019

TNO.998

000

993

UNI

000 000 800

SXO(TP1

txm7

sm3

ERR,

EN,

FP,

II,

#TP, 700 3 8 #TP, #TP,

700 3 7

0.091 0.091

900

994 966.0 000 666 0.994 0.981

ER5.169e-0 ER1.695e-0 ER8.475e-0 ER2.825e-0 SX0(TP0.700 TN0.990 SX0(TP0.900 TN0.998 SX0(TP1.000 TN0.998 SX0(TP1.000 SX0(TP0.800 0.909 0.999 0.001 0.091 1.319e-04 700 4 8 #TP,TN,FP,FN,ERR,n,sm4 txm8 5.36le-04 700 4 4 #TP, TN, FP, FN, ERR, n, sm4 txm4 2.618e-04 700 4 5 #TP,TN,FP,FN,ERR,n,sm4 txm5 700 4 6 #TP, TN, FP, FN, ERR, n, sm4 txm6 700 4 7 #TP, TN, FP, FN, ERR, n, sm4 txm7 1.444e-04 0.003 0.273 3.938e-04 0.636 0.988 0.012 0.364 0.010 0.091 0.909 0.990 0.727 0.997 0.818

ER8.475e-0 ER8.475e-0 ER1.695e-0 ER5.650e-0 ER2.825e-0 ER8.475e-0 SX0(TP1.000 TN0.997 0.009 0.091 1.423e-04 700 5 3 #TP,TN,FP,FN,ERR,n,sm5 txm3 sX0(TP1.000 TN0.995 SX0(TP1.000 TN0.995 SX0(TP1.000 TN0.995 SX0(TP0.900 TN0.998 SX0(TP1.000 TN0.998 SX0(TP1.000 700 5 4 #TP, TN, FP, FN, ERR, n, sm5 txm4 0.909 0.999 0.001 0.091 1.319e-04 700 5 5 #TP,TN,FP,FN,ERR,n,sm5 txm5 0.004 0.091 1.36le-04 700 5 6 #TP,TN,FP,FN,ERR,n,sm5 txm6 0.818 0.999 0.001 0.182 2.618e-04 700 5 0 #TP,TN,FP,FN,ERR,n,sm5 txm0 0.004 0.091 1.361e-04 700 5 1 #TP, TN,FP, FN, ERR, n, sm5 txml 700 5 2 #TP, TN, FP, FN, ERR, n, sm5 txm2 0.004 0.091 1.361e-04 1.319e-04 0.909 0.996 0.909 0.996 0.909 0.996 0.909 0.991 0.909

ER5.650e-0 ER8.475e-0 ER5.650e-0 ER1.751e-0 ER3.390e-0 ERO.000e+0 ER5.000e-0 SX0(TP0.900 TN0.995 SX0(TP1.000 IN0.997 0.909 0.997 0.003 0.091 1.340e-04 700 6 7 #TP,TN,FP,FN,ERR,n,sm6 txm7 sx0(TP1.000 TN0.997 SX0(TP0.800 TN0.997 TN0.993 SX0(TP1.000 IN0.995 SX0(TP1.000 TN1.000 SX0(TP0.700 TN1.000 SX0(TP0.800 IN0.998 SX0(TP1.000 TN0.995 SX0(TP1.000 IN0.993 SX0(TP0.900 0.818 0.996 0.004 0.182 2.660e-04 700 5 7 #TP,TN,FP,FN,ERR,n,sm5 txm7 0.003 0.091 1.340e-04 700 6 0 #TP,TN,FP,FN,ERR,n,sm6 txm0 0.909 1.000 0.000 0.091 1.299e-04 700 6 2 #TP,TN,FP,FN,ERR,n,sm6 txm2 0.636 1.000 0.000 0.364 5.195e-04 700 6 3 #TP,TN,FP,FN,ERR,n,sm6 txm3 0.727 0.999 0.001 0.273 3.917e-04 700 6 4 #TP,TN,FP,FN,ERR,n,sm6 txm4 0.004 0.091 1.361e-04 700 6 5 #TP, TN, FP, FN, ERR, n, sm6 txm5 700 6 6 #TP, TN, FP, FN, ERR, n, sm6 txm6 0.727 0.997 0.003 0.273 3.938e-04 700 5 8 #TP,TN,FP,FN,ERR,n,sm5 txm8 700 5 9 #TP, TN, FP, FN, ERR, n, sm5 txm9 0.909 0.996 0.004 0.091 1.361e-04 700 6 1 #TP,TN,FP,FN,ERR,n,sm6 txml 0.006 0.091 1.382e-04 0.006 0.182 2.680e-04 0.909 0.997 0.818 0.994 0.909 0.996 0.909 7820

speakerdigit_v3.cの修正 (2)

 $sX:0:\hat{1}$ include sX=0 for test speaker sX:0:0 exclude sX=0 for test speaker (toroku washya nomi)

##dipps

pAde0 9:iCG=1:iCd=0:sX:sX:0:1/speakerdigit_v3 fs:../12voicedata/allpole/oob4s:-IN40wbas2:300:1.6:1sX
../2voicedata/allpole/oob4d:-IN40wbas2:300:1.6:1sx3.700:10 fs:xx1.0:10 path:0:0.11 yrun:10:9:1000 voidit_1 gbeat1 sdp:000:0:0:12:3:45:6:7:8:9 lT:1 sdT:0:11:23:45:6:7:8:9 ver:-2 pApAdT:0:5:\$pApA cest:5:1000:\${iCs}:\${iCd}:5 \$sX usevoid:1 0.y fd:../12vo ibbs:1 beta:1

7834 #incorrect speaker involving or not involving s=sX 7835 £15 ps0.015U0.011Um0.004Up0.021LC0.003-0.994 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.9 LAR0. 5:0:0 iCT1:0/5 midlv-2 dA993 pd0.987U0.012Um0.030Up0.003 better FA0<10 #sX:0:0 usevoid:1

pApAd0.5:0.9 LAR0.5 OK FA1<10 #SX:0:1 usevoid:1 FA1 7837 t15 ps0.046U0.077Um0.032Up0.161LCO.003-0.994 iC1000=TR999:FA1:SR0 C0=TA0:FR0:SA0 0:00 iCT1:0/5 midlw-2 dA811 pd0.884U0.217Um0.449Up0.104 OK FA1<10 #sX:0:1 usevoid:1 FP unregistered speaker

7839 t15 ps0.039U0.065Um0.026Up0.138LC0.003-0.994 iC1000=TR1000:PA0:SRO C0=TA0:FR0:SA0 papad0.5:0.9 LAR05:0.0 iCT1:1/5 midlv-2 da806 pd0.876U0.200Um0.426Up0.093 #sx:0:1 n_sxtest=166 FA0

C0=TA0:FR0:SA0 papad0.5:0.9 #sX:0:1 n_sXtest=161 FA0 .025Up0.141LC0.003-0.994 iC1000=TR1000:FA0:SR0 iCT1:2/5 midlv-2 dA59 pd0.776U0.163Um0.270Up0.094 ps0.039U0. t15] 5:0:0 7843 t15 ps0.015U0.011Um0.004Up0.021LC0.003-0.994 iC1000=TR1000:FR0:SR0 C0=TR0:FR0:SA0 papado.5:0.9 LARO. 5:0:0 iCT1:0/5 midity-2 da993 add.997Um0.012Um0.0012Um0.030Up0.003 better FR0 #8x:0:0 usevoid:0 7844 t15 ps0.046U0.07Um0.032Up0.161LC0.003-0.994 iC1000=TR999:FA1:SR0 C0=TA0:FR0:SA0 papado.5:0.9 LARO.5:0:0 iCT1:0/5 midity-2 da811 pd0.88400.21Um0.449Up0.0104 OK FA1:10 #8x:0:1 usevoid:0

readmecan2mspeech.txt Dec 05 2019 13:52:41

Page 120

の出力が0)と 7845 ## usevoid:0 と usevoid:1 の結果は変わらない。なぜ?Gibbsだから?y_void=1(すべてのCAN2 なることがない(少ない)から? 7846

7847 ###correct speaker

7847 ### #correct speaker

10.0 id70.0370400.0370400.015LC0.004-0.994 iCC0=TR0:FR0:FR0:17099:FR1:SA0 pApAd0.5:0.9 LAR0.5

10.1 id70:0.1 id70:0.2 dAn100 pd0.99700.00804-0.994 iC1000=TR36:FR3:011 usevoid:1

7849 t15 ps0.97400.0360m0.0650p0.014LC0.004-0.994 iC1000=TR36:FR3:FR0 C0=TR0:FR0:SA0 pApAd0.5:0.9 LAR0.

7849 t15 ps0.97400.0360m0.0650p0.014LC0.004-0.994 iC1000=TR36:FR3:FR4:SR0 C0=TR0:FR0:SA0 pApAd0.5:0.9 LAR0.

7850 t15 ps0.97400.0330m0.0550p0.014LC0.004-0.994 iC1000=TR93:FR4:SR0 C0=TR0:FR0:SA0 pApAd0.5:0.9 LAR0.

5:0:0 iC70:2/5 midlv-2 dA47 pd0.83900.0770m0.1300p0.040 seems GOOD!FR47

7851 t15 ps0.97400.0370m0.0660p0.015LC0.004-0.994 iC1000=TR300:FR0:SR0 C0=TR0:FR0:SA0 pApAd0.5:0.9 LAR0.

7851 t15 ps0.97200.0370m0.0660p0.015LC0.004-0.994 iC1000=TR300:FR0:SR0 C0=TR0:FR0:SA0 pApAd0.5:0.9 LAR0.

7852 t10 iC70:3/5 midlv-2 dA47 pd0.83900.0770m0.1060p0.075 GOOD! FR0

bayes

SX0(TP1.000 IN1.000

700 4 9 #TP, TN, FP, FN, ERR, n, sm4 txm9

0.000 0.091 1.299e-04

0.909 1.000

pAd=0.9;iCs=1;iCd=0;sX=sX:0:1;speakerdigit_v3 fs:../l2voicedata/allpole/oob4s:-1N40mbas2:300:1.6:lsX

test:5:10000;\${ics}:\${ilcd}:5 \$sx usevoid:1
7855 t15 ps0.01200.0370m0.0020p0.2484CO.003-0.994 iC1000=TR999:FA1:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.9 LAR0.5
:0:0 icT1:0/5 mid1v-2 dA983 pd0.98500.04440m0.2960p0.005 #sx:0:0 usevoid:0
7856 t15 ps0.01200.0370m0.0020p0.2484CO.003-0.994 iC1000=TR999:FA1:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.9 LAR0.5
:0:0 icT1:0/5 mid1v-2 dA983 pd0.98500.04440m0.2960p0.005 #sx:0:0 usevoid:1

7662 L15 ps0.961001.1230u0.4880p0.029LCO.004-0.994 iCC0=TRO:FRO:SRO C10000=TA969:FR31:SAO PAPAGO.5:0.9 LARO.5:0.0 iCTO:0/5 midlav-2 dA986 pd0.955U0.050U0.4100p0.0150 NG? FR31>10 PR3:SRO C1000=TA969:FR31:SAO PAPAGO.5:0.9 LARO.766 iCTO:0/5 midlav-2 dA986 pd0.955U0.440u0.210up0.0194 iCL000=TR245:FR755:SRO C0=TA0:FRO:SAO PAPAGO.5:0.9 LARO.5:0.0 iCTO:1/5 midlav-2 dA771 pd0.920U0.440u0.271Up0.070 FR755
S:0.0 iCTO:1/5 midlav-2 dA577 pd0.79200-1440u0.271Up0.070 FR755
S:0.0 iCTO:2/5 midlav-2 dA557 pd0.79200.2910u0.3830p0.133 NG FR550
S:0.0 iCTO:2/5 midlav-2 dA557 pd0.79200.2910u0.3830p0.133 NG FR550
S:0.0 iCTO:2/5 midlav-2 dA557 pd0.79200.2910u0.3830p0.133 NG FR550
S:0.0 iCTO:3/5 midlav-2 dA537 pd0.79200.2910u0.3830p0.133 NG FR550
S:0.0 iCTO:3/5 midlav-2 dA537 pd0.79200.2910u0.4380p0.356 FA232:SRO C0=TA0:FR0:SAO PAPAGO.5:0.9 LARO 7865
S:0.0 iCTO:3/5 midlav-2 dA236 pd0.513U0.3950m0.4380p0.356 FA232:SRO C0=TA0:FR0:SAO PAPAGO.5:0.9 LARO 7865

7868 pAd=0.95;iCs=1;iCd=0:sx=sx:0:1;speakerdigit_v3 fsd:./l2voicedats/allpole/oob4sd:-IN40mbas2:300:1.6: 1sxoy. nsD:1-710:10:0 pmii:0:0.1 yrm:1:0:9:1000 voidd:1 gibbs:1 befa:1 set0:0:0:12:34:5:6:7:8:9 Ir:1 sdT:0:0:1: 2:3:45:6:7:8:9 ver:-2 pApAdT:0.5:5pAd:15 LAR:0.5:0:0 leest:5:1000:\$(iCs]:?\$(iCd]:?\$(iCd]:s\$x uservoid:1 7867

7869 #incorrest speaker iCs=1;iCd=0

7870 t15 ps0.03200.0160m0.0110p0.022Lc0.002-0.999 ic10000=TR10000:FA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.9 LAR0.5:0:0 icTl:0/5 mid3v-2 dA0 pd0.03200.0160m0 0110p0.022 sx:0:0
7871 t15 ps0.07200.00880m0.0440p0.169Lc0.002-0.999 ic1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.9 LAR0.7871 t15 ps0.07200.0880m0.0440p0.07200.0880m0.0440p0.169 sx:0:1 n_sxtest=188
correct speaker iCs=0;iCd=?

7873 t15 ps0.988U0.005Um0.012Up0.001LCO.035-0.999 iCO=TRO:FA0:SRO C1000=TA1000:FR0:SA0 pApAd0.5:0.9 5:0.0 iCTO:0/5 mid3v-2 dA1000 pd0.988U0.005Um0.012Up0.001

ER1.695e-0

SX0(TP1.000 TN0.998

6 n600) 7824 0.909 0.999 0.001 0.091 1.319e-04 700 6 9 #TP,TN,FP,FN,ERR,n,sm6 txm9 sX0(TP0.900 TN0.998

0.909 0.999 0.001 0.091 1.319e-04 700 6 8 #TP,TN,FP,FN,ERR,n,sm6 txm8

7874 t15 ps0.973U0.023Um0.040Up0.010LCO.002-0.999 iC1000=TR26:FR974:SR0 C0=TA0:FR0:SA0 papad0.5:0.9 LARO.
5:0:0 iCT0:1/5 mid3v-2 dA974 pd0.973U0.023Um0.040Up0.010
7875 t15 ps0.876U0.071Um0.108Up0.041LCO.002-0.999 iC1000=TR531:FA469:SR0 C0=TA0:FR0:SA0 papad0.5:0.9 LARO .
5:0:0 iCT0:2/5 mid3v-2 dA469 pd0.876U0.071Um0.108Up0.0141 seems Nocicoca? FR469 #pad=0.95
7876 t15 ps0.538U0.117Um0.130Up0.104LCO.002-0.999 iC1000=TR1000:FA69:SR0 C0=TA0:FR0:SA0 papad0.5:0.9 LARO. 5:0:0 iCT0:3/5 mid3v-2 dA0 pd0.538U0.117Um0.130Up0.104

#pAd=0.95

7880

7879 t15 ps0.072U0.088Um0.044Up0.169LC0.002-0.999 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 .5:0:0 iCT1:0/5 mid3v-2 dA0 pd0.072U0.088Um0.044Up0.169

pApAd0.5:0.95 LAR0

5:0:0 iCTO:0/5 mid3v-2 dA996 pd0.988U0.005Um0.012Up0.001 FR4<10 OK? #pad=0.95
7882 t15 ps0.973U0.023Um0.04Up0.010LCC.002-0.999 iCLOO0=TR92:FR3008:SR0 C0=TR0:FR0:SA0 papad0.5:0.95 LAR0
5:0:0 iCTO:1/5 mid3v-2 dA9908 pd0.973U0.023Um0.040Up0.010 FR908 MG but ... OK
7883 t15 ps0.875U0.071Um0.108Up0.04LLCG.002-0.999 iCLOO0=TR991:FR9:SR0 C0=TR0:FR0:SA0 papad0.5:0.95 LAR0.
5:0:0 iCTO:1/5 mid3v-2 dA9 pd0.875U0.071Um0.108Up0.041 seems OK FA9 #pad=0.95 t15 ps0.988U0.005Um0.012Up0.001LC0.035-0.999 iC0=TR0:FA0:SR0 C1000=TA996:FR4:SA0 papad0.5:0.95 7881

5:0:0 i 7884

Ħ

#for iconip2013 with oob

7995 #time oob4speakerdigit+ sp:fhs:fmk:mkk:mko:mmt:mnh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:ky ntxi:10 k 36 mass:2:300:1.6:1 dtr:../2voicedata:/allpole s:1 N:40 7896 #fs=fs:../12voicedata:/allpole/oob4s:-lNdfmbas2:3300:1.6:1.y; #file name of y of speaker for iconip201

```
7899 #acat .../lzvoicedata/allpole/oobds: .lM40nhasas; 3001.1.6:1.ystat
7899 ###cob4speakeatdigit+ sp:fhs:fms:mkk:nko:nmt:mmh:mym tx:zaro:ichi:ni:san:yon:go:roku:nana:hachi:kyu nt
xi:10 k:36 mbas:2:3001.16:1 dir:.../lzvoicedata/allpole s:-1 M:40
7900 #0.97000 0.02000 0.02000 0.12805 0.03000 1.128571e-04 700 #FP, FN, ERR, n., sm0
7901 #0.93000 0.99000 0.02000 0.12805 0.03000 1.28571e-04 700 #FP, FN, ERR, n., sm1
7902 #0.93000 0.97657 0.02833 0.09000 1.28571e-04 700 #FP, FN, FERR, n., sm2
7903 #0.93000 0.97667 0.02833 0.09000 1.28571e-04 700 #FP, FN, FERR, n., sm3
7904 #0.95000 0.97333 0.02667 0.05000 1.28567 0.05000 1.28571e-04 700 #FP, FN, FERR, n., sm4
7905 #0.93000 0.97667 0.02333 0.09000 1.29056-04 700 #FP, FN, FFR, n., sm4
7906 #0.93000 0.97667 0.02333 0.00000 1.69564-04 700 #FP, FN, FFR, n., sm5
7908 #0.93000 0.97667 0.02333 0.00000 1.69564-04 700 #FP, FN, FFR, n., sm5
7908 #0.93000 0.97667 0.03333 0.00000 1.695664-04 700 #FP, FN, FFR, n., sm5
7908 #mbas:2:3001.6:1 dir: ../lzvoicedata/allpole d:-1 N:40
7909 ##cob2speakea/algit+ sp:fishfms:mkk.mko:mkm.mm; mym tx:sero:ichi:ni:san:yon:go:roku:nana:hachi:kyu nt
7910 #0.92057 0.9908 0.00525 0.07143 1.15646-04 700 #FP, FN, FFR, n., FRR, n., txm1
7911 #0.94286 0.99365 0.00535 0.05714 9.07029-04 700 #FP, FN, FFR, n., txm3
7912 #0.94286 0.99365 0.00130 0.10000 1.42857-04 700 #FP, FN, FFR, n., txm3
7913 #0.94286 0.99365 0.00100 0.10000 0.10000 1.42857-04 700 #FP, FN, FFR, N., txm4
7914 #0.90000 1.00000 0.00000 0.10000 1.42856-04 700 #FP, FN, FF, FN, FFR, n., txm5
7917 #0.94286 0.99548 0.00352 0.07143 1.13646-04 700 #FP, FN, FP, FN, FFR, n., txm6
7918 #0.92057 0.99548 0.00350 0.01000 1.42850-04 700 #FP, FN, FP, FN, FFR, n., txm6
7911 #0.92057 0.99548 0.00317 0.01429 2.49433e-05 700 #FP, FN, FP, FN, FFR, n., txm7
7911 #0.92057 0.99548 0.00317 0.01429 2.49433e-05 700 9 #FP, FN, FP, FN, FFR, n., txm8
7919 #0.92057 0.99689 0.00111 0.00000 0.10000 1.42866-04 700 0 #FP, FN, FP, FN, FFR, n., txm8
7919 #0.92057 0.99689 0.00111 0.1429 2.49433e-05 700 9 #FP, FN, FP, FN, FFR, n
                                                                                                                                                                                                                                                                                                                                                                     nt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ../12voicedata/allpole/loo4d:-1N200S7D10L10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 sp:fhs:fms:mkk:mko:mmt:mnh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu ntx
   of y
#fd=fd:../12voicedata/allpole/oob4d:-1N40mbas2:300:1.6:1.y; #file
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     , ERR, n, dm0
, ERR, n, dm1
, ERR, n, dm2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     K:36 dir:..12voigedata/alipole di-1 N:200 sx.-1 ops:y:-1:1

52 0.529 0.978 0.022 0.071 1.338e-04 700 0 #PP.TN, PP.PN, ERR

53 0.786 0.986 0.014 0.214 3.265e-04 700 1 #FP.TN, PP.PN, ERR

54 0.677 0.975 0.025 0.143 2.404e-04 700 2 #FP.TN, PP. PRN, ERR

55 0.671 0.960 0.040 0.329 5.261e-04 700 3 #FP, TN, PP, PN, ERR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         user781m27.558s sys19m5.116s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         mesaho real1081m10.722s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #loo4speakerdigit+
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    sx-1.ystat
7951 #10
1:10 k:36 d
7952 0.9
7953 0.7
7954 0.8
7955 0.6
```

```
7995 #10.048packeriditty the pitha; time.Nic.indo.nim.in.myn tx.zero; ichiin; aan; yon; goo; roku; nanaihachi; kyu ntx 1100 k:36 ditr:../13voicedatez/alipple si-1 k1350 sx:0 ops; y-1:1
7995 0.0460 0.255 0.0460 2.020 3.500e-04 700 1 #TP; Nr. kP. kR.R. n., am2 sx0(TPD0.740 TMO.950 RRS.1376-04 nG00)
7997 0.440 0.953 0.047 0.260 4.381e-04 700 2 #TP; Nr. kP. kR.R. n., am2 sx0(TPD0.740 TMO.950 RRS.1576-04 nG00)
7999 0.670 0.989 0.133 0.330 6.332e-04 700 2 #TP; Nr. kP. kR.R. n., am4 sx0(TPD0.760 TMO.950 RRS.1576-04 nG00)
8001 0.700 0.925 0.075 0.220 4.214e-04 700 6 #TP; Nr. kP. kR.R. n., am4 sx0(TPD0.60 TMO.994 RRS.257e-04 nG00)
8001 0.700 0.915 0.085 0.340 6.071e-04 700 6 #TP; Nr. kP. kR.R. n., am4 sx0(TPD0.700 TMO.995 RRS.157e-04 nG00)
8002 0.700 0.925 0.075 0.220 4.738e-04 700 6 #TP; Nr. kP. kR.R. n., am4 sx0(TPD0.700 TMO.995 RRS.157e-04 nG00)
8003 0.700 0.915 0.085 0.340 6.071e-04 700 5 #TP; Nr. kP. kR.R. n., am4 sx0(TPD0.700 TMO.995 RRS.157e-04 nG00)
8004 0.700 0.915 0.085 0.020 0.020 4.5528e-04 700 6 #TP; Nr. kP. kR.R. n., am1
8005 0.710 0.9133 0.0867 0.2500 4.5528e-04 700 1 #TP; Nr. kP. kR.R. n., am1
8007 0.5500 0.9033 0.08667 0.2500 4.5528e-04 700 3 #TP; Nr. kP. kR.R. n., am5
8007 0.5200 0.15500 0.27000 6.2000 4.5528e-04 700 5 #TP; Nr. kP. kR.R. n., am5
8007 0.5200 0.15500 0.27000 0.27000 6.00000-04 700 2 #TP; Nr. kP. kR.R. n., am5
8001 0.7500 0.85000 0.15500 0.27000 6.00000-04 700 5 #TP; Nr. kP. kR.R. n., am6
8011 0.52000 0.85000 0.13600 0.27000 6.00000-04 700 6 #TP; Nr. kP. kR.R. n., am6
8012 0.52000 0.86500 0.13500 0.27000 6.00000-04 700 6 #TP; Nr. kP. kR.R. n., am6
8013 0.52000 0.6633 0.13667 0.38000 0.27000 6.00000-04 700 6 #TP; Nr. kP. kR.R. n., am6
8014 0.5200 0.8633 0.13667 0.38000 0.27000 6.00000-04 700 6 #TP; Nr. kP. kR.R. n., am6
8015 0.5200 0.8633 0.137 0.380 7.381e-04 700 6 #TP; Nr. kP. kR.R. n., am6 sx0(TPD.620 TMO.940 RR.760)
8016 0.5000 0.6633 0.13667 0.38000 0.27000 6.00000-04 700 6 #TP; Nr. kP. kR.R. n., am6 sx0(TPD.600 TMO.940 RR.760)
8017 0.6600 0.935 0.065 0.400 6.633e-04 700 6 #TP; Nr. kP
n600)
n600)
n600)
n600)
n600)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      n600)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ntx
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ntx
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    n600)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ntx
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ntx
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1:10 K:36 dir:../12voicedata/allpole dir 7 N370 sxi:0 opsiy:-1:1
7987 0.5510.0959 0.041 0.429 6.712e-04 700 7 #TP,TN,FP,FN,ERR,n,dm7 sx0(TPO.667 TNO.952 ER6.358e-04 n6
7987 0.5510.0959 0.041 0.429 6.712e-04 700 7 #TP,TN,FP,FN,ERR,n,dm7 sx0(TPO.667 TNO.952 ER6.358e-04 n6
7988 cat ../12voicedata/allpole/loo4d:7N20057D10L10SXO.ystat
7988 #Loo4speckedigitt + spifhs:ikm:nkk:nknm;nkm,rx:ezro:ichi:ni:san:yon:go:roku:nana:hachi:kyu
7989 #Loo4speckedigitt + spifhs:ikm:nkk:nknm,rx:ezro:ichi:ni:san:yon:go:roku:nana:hachi:kyu
7980 0.586 0.962 0.038 0.414 6.463e-04 700 7 #TP,TN,FP,FN,ERR,n,dm7 sx0(TPO.683 TNO.957 ER5.988e-04 n6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #loo4speakerdigit+ sp:fhs:fms:mkk:mkc:mmt:mnh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ER6.111e-04
ER3.086e-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ystat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ../12voicedata/allpole/loo4s:-1N350S7D10L10sX0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      983
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           tx:zero:ichi:ni:san:yon:go:roku:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TNO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SX0(TP0.650
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SX0(TP0.983
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.443 6.576e-04 700 8 #TP,TN,FP,FN,ERR,n,dm8
0.157 2.290e-04 700 9 #TP,TN,FP,FN,ERR,n,dm9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                cat ../12voicedata/allpole/loo4d:7N300S7D10L10sX0.ystat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #loo4speakerdigit+ sp:fhs:fms:mkk:mko:mmt:mnh:mym
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      real536m33.054s user263m45.613s sys29m3.321s kuro@kurolab-VB:~/sotu/2013/can2b$ cat ../12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       big ERR?
7982 0.557 0.993 0.017 0
7983 0.843 0.997 0.003 0
7984 cat ./l2voicedata/a
7986 #loodspeakerfigith;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   for dm7?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   smaller ERR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7992
7993
7994
7995
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

Page 124

```
1113 #7270.65714 0.93492 0.06508 0.34286 5.82766e-04 700 0 #TP.TN.PP.PN.ERR.N.txm0
18114 #7270.51743 0.95873 0.041270 0.42857 6.42826 -0.4 700 1 #TP.TN.PP.PN.ERR.N.txm1
18115 #7270.62486 0.91746 0.08254 0.53714 6.28118e-04 700 1 #TP.TN.PP.PN.ERR.N.txm1
18116 #7270.52857 0.88899 0.11310 5.08008 8.73316e-04 700 2 #TP.TN.PP.PN.ERR.N.txm3
18118 #7270.81429 0.96508 0.03422 0.18571 3.15193e-04 700 5 #TP.TN.PP.FN.ERR.N.txm5
18118 #7270.81429 0.96508 0.31422 0.18073 1.15193e-04 700 5 #TP.TN.PP.FN.ERR.N.txm5
1812 #7270.60000 0.98508 0.13422 0.0000 7.00680e-04 700 7 #TP.TN.PP.FN.ERR.N.txm6
1812 #7270.50000 0.90952 0.09048 0.40000 7.00680e-04 700 7 #TP.TN.PP.FN.ERR.N.txm8
1813 #7270.50000 0.90952 0.09048 0.40000 7.15193e-04 700 7 #TP.TN.PP.FN.ERR.N.txm8
1814 #7270.50000 0.90952 0.09048 0.40000 7.15193e-04 700 9 #TP.TN.FP.FN.ERR.N.txm8
1815 #7270.50000 0.90952 0.09048 0.40000 7.00680e-04 700 9 #TP.TN.FP.FN.ERR.N.txm8
1816 #7270.50000 0.90952 0.09048 0.40000 7.00680e-04 700 9 #TP.TN.FP.FN.ERR.N.txm8
1817 #7270.60000 0.90952 0.09048 0.40000 7.00680e-04 700 9 #TP.TN.FP.FN.ERR.N.txm8
1818 #7270.50000 0.90952 0.09048 0.40000 7.00680e-04 700 9 #TP.TN.FP.FN.ERR.N.txm8
1818 #7270.60000 0.90952 0.09048 0.40000 7.00680e-04 700 9 #TP.TN.FP.FN.ERR.N.txm8
1818 #7270.60000 0.90952 0.09048 0.40000 7.00680e-04 700 9 #TP.TN.FP.FN.ERR.N.txm9
1818 #7270.60000 0.90952 0.09048 0.40000 7.00680e-04 700 9 #TP.TN.FP.FN.ERR.N.txm9
1818 #7770.80000 0.90952 0.09048 0.40000 7.00680e-04 700 9 #TP.TN.FP.FN.ERR.N.txm9
1818 #7770.80000 0.90952 0.09048 0.40000 7.00680e-04 700 9 #TP.TN.FP.FN.ERR.N.txm9
1818 #7770.80000 0.90952 0.09048 0.40000 7.00680e-04 700 9 #TP.TN.FP.FN.ERR.N.txm9
1818 #7770.80000 0.90952 0.09048 0.40000 7.00680e-04 700 9 #TP.TN.FP.FN.ERR.N.txm9
1818 #7770.80000 0.90952 0.09048 0.40000 7.00680e-04 700 9 #TP.TN.FP.FN.ERR.N.txm9
1818 #7770.80000 0.90952 0.09048 0.40000 7.00680e-04 700 9 #TP.TN.FP.FN.ERR.N.txm9
1818 #7770.80000 0.90952 0.090952 0.090952 0.090952 0.090952 0.090952 0.090952 0.090952 0.090952 0.090952 0.090952 0.090952 0.09095
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ../12voicedata/allpole/loo4d:-1N20S7D10L10sX0.y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ops:y:-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ../12voicedata/allpole/loo4d:-1N20S7D10L10sx0
                                                                                                                                                                                                                                                                                        go:roku:nana:hachi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  -: X: sdo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -: X:sdo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0:Xs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0:XS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0:Xs
                                                                                                                                                                                                                                                                                                                                                                                 0:XS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8X:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  N:200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                N:80
                                                                                                                                                                                                                                                                                                                                                                            N:20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       N:20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9:8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9:8
dir:../12voicedata/allpole
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         dir:../12voicedata/allpole
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ) 6 #TP, TN, FP, FN, ERR, n, sm6 dir:../12voicedata/allpole
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0 #TP,TN,FP,FN,ERR,n,sm6
dir:../12voicedata/allpole
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               dir:../12voicedata/allpole
                                                                                                                                                                                                                                                                                                                                                                                                                                                               #???01.58000 0.80500 0.19500 0.42000 8.78571e-04 700 6 #TP,TN,FP,FN,ERR,n,sm6
#???cat ../12voicedata/allpole/loo4s:6N20S7D10L10sX0.ystat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     , sm6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #???0.71000 0.93167 0.06833 0.29000 5.11905e-04 700 6 #TP,TN,FP,FN,ERR,n,sm6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #TP,TN,FP,FN,ERR,n,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ../12voicedata/allpole/loo4d:-1N20S7D10L10sx0.y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #???0.62000 0.86333 0.13667 0.38000 7.38095e-04 700 6 #???#loo4speakerdigit+ sp:fhs tx:zero ntxi:10 k:36 dir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #???0.67000 0.90500 0.09500 0.33000 6.07143e-04 700 6 #???#loo4speakerdigit+ sp:fhs tx:zero ntxi:10 k:36 dir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #???0.91000 0.18667 0.81333 0.09000 1.29048e-03 700 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #???#loo4speakerdigit+ sp:fhs tx:zero ntxi:10 k:36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #???#loo4speakerdigit+ sp:fhs tx:zero ntxi:10 k:36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #???#loo4speakerdigit+ sp:fhs tx:zero ntxi:10 k:36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #????rea1440m20.797s user28m21.286s sys34m44.454s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #???mv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8100 #???
8101 #???
:2 x:2:1:0
```

ics=1; icd=1; ics=1; icd=0; ics=0; icd=1; ics=0; icd=0; #ics=0; icd=2; #ics=0; icd=2;

icd=5; #iCs=0; #iCs=0;

C0=TA0:FR0:SA0 icTO:0/5 midiv-2 dA540 pd0.8590uc0.102-0.875 iCO=TRO:PRO:SRO C1000=TRA67:FR233:
 t15 ps0.57700.1030m0.1110p0.0951c0.1.02-0.875 iC1000=TR305:RA695:SRO CO=TRO:PRO:
 icTO:1/5 midiv-2 dA941 pd0.75700.1030m0.1310p0.077 #pad=0.6710c3c0=1.030m0.1310p0.077 #pad=0.6710c3c0=1.030m0.1310p0.0941c0.102-0.875 iC1000=TR569:FR09:
 icTO:2/5 midiv-2 dA565 pd0.7910.1030m0.1310p0.077 #pad=0.6710c3c0=1.030m0.1310p0.0941c0.102-0.875 iC1000=TR569:FR09: .581U0.103Um0.113Up0.093LC0.102-0.875 iCO=TR0:FA0:SR0 C1000=TA330:FR670:SA0 pApAd0.5:0.9 LAR0 midlv-2 dA412 pd0.859U0.093Um0.134Up0.058 #pAd=0.9;iCs=0;iCd=0; ps0. t15 ;

```
8203
8204
8205
8206
8207
8208
8209
8210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10.0 (10.0) - 0.0 (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0) (10.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LAR0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8175 #speakerdigit_v3 fs:.//lzvoicedata/allpole/loo4s:-IN2087D1DL10sX0-0.y fd:.//lzvoicedata/allpole/loo4
d:-IN2087D1DL10sX0-0.y nSDL:7:10:10 pmin:0.01 ytm:1:0.9:1000 void:1 gibbs:1 beta:1 adP:0:0:1:2:3:45:67:8:9
IT:1 safr:0:0:1:2:3:45:67:7:8:9 ver:-2 papadr:0.5:0.9615 Lax:0.5:0:0 test:5:100005{flos};5{fcd}:5 sx:0 usevo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8176 #speakerdigit_v3 fs:../12voicedata/allpole/loo4s:-IN40S7D10L10sx0-0.y fd:../12voicedata/allpole/loo4 d:-LN40S7D10L10sx0.y nSDL:?!0:10 pmin:0.01 ytm:1.0.9:1000 void:1 gibbs:1 beta:1 adp:0:0:1.2:3:45:65778:9 1 T:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 papadT:0.5:0.0.96:15 LAR:0.5:0:0 test:5:1000:${\cdot|cos}$:(icd\):5 x:0 usevoid:1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ntxi:10 k:36 dir:../12voicedata/allpole s:-1 N:20 ax:0
8192 time loo4speakerdigit+ sp:fhs:fms:mkk:mko:mmt:mmh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu
ntxi:10 k:36 dir:../12voicedata/allpole d:-1 N:40 ax:0
8193 time loo4speakerdigit+ sp:fhs:fms:mkk:mko:mmt:mmh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu
ntxi:10 k:36 dir:../12voicedata/allpole sd:-1 N:40 sx:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8163 pAd=0.96;iCs=0;iCd=0;speakerdigit_v2 fs:../12voicedata/allpole/oob4s:-IN40mbas2:300:1.6:1.y fd:../12 voicedata/allpole/oob4s:-IN40mbas2:300:1.6:1.y fd:../12 dp::0.01;0.01 ytm:1:0.9:1000 void:1 gibbs:1 beta:1 s dp::0:01:2:3:4f5:6:7:8:9 lt:1 sdT::0:0:1:2:3:4f5:6:7:8:9 ver:-2 pApadT::0.5;$pAd:15 LAR::0.5:0:0 test:5:1000:${1Cd}:5 sx:0 tsevoid:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             time loo4speakerdigit+ sp:fhs:fms:mkk:mko:mmt:mnh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             rea1870m5.292s user38m40.389s sys30m7.305s for cat ../12voicedata/allpole/loo4d:-1N40S7D10L10sX0.yst
                                                          pApAd0.5:0.9 LAR0
                                                                                                                                                                          C0=TA0:FR0:SA0 pApAd0.5:0.9 LAR0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.000Up0.000LC0.500-0.500 iC0=TR0:FA0:SR0 C1000=TA0:FR1000:SA0 PAPAd0.5:0.96 pd0.424U0.000Um0.000Up0.000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #loo4speakerdigit+ sp:fhs tx:zero ntxi:10 k:36 dir:../12voicedata/allpole d:-1 N:40 0.80000 0.99375 0.00625 0.20000 2.96448-e-04 700 0 #tp./my.Pp.Pk.RR.n,txm0 0.80000 0.99375 0.00625 0.20000 2.96333 0.96094 0.03906 0.21667 3.65327e-04 700 1 #tp./tmy.Pp.Pk.RR.n,txm1 0.6833 0.96652 0.03348 0.31667 5.01488e-04 700 1 #tp./tmy.Pp.Pk.RR.n,txm2 0.333 0.95112 0.04688 0.3667 2.90774e-04 700 3 #tp./tmy.Pp.Pk.RR.n,txm3 0.71667 0.94219 0.05781 0.2833 3.9374e-04 700 4 #tp./tmy.Pk.Pk.RR.n,txm3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          pmin:0.05
                                                                 C0=TA0:FR0:SA0
ntx:5 ntxi:10:7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ss tmp/testsd.dat
loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5
ta:.6 PNr:.8 void:1 gibbs:1 mex:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9:XS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (1) loo4speakerdigit+
オプション 未登録話者 sx:0,...,
その他はoob4speakerdigit+と同じ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ps0.424U0.000Um0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8173 t15 ps0.424U0.000Um0.5:0:0 iCTO:0/5 midlv-2 dA0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8181 #cf loo4gib
tdisp:4 beta:.6 F
8182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2013/10/24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      emacs
```

8178 8179 8180

8185 8186 8187 8188 8191 yuka

at by

```
readmecan2mspeech.txt
Dec 05 2019 13:52:41
```

```
../12voicedata/allpole/loo4d:-1N300S7D10L10sX0.y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   time loo4speakerdigit+ sp:fhs:fms:mkk:mko:mmt:mnh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu k:36 dir:../12voicedata/allpole s:2 N:20 sX:0 ops:"y:-2:2"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ../12voicedata/allpole/loo4s:-1N40S7D10L10sX0.ysta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ./12voicedata/allpole/loo4s:-1N20S7D10L10sX0.ystat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ../12voicedata/allpole/loo4s:-1N300S7D10L10sX0.y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ../12voicedata/allpole/loo4s:-1N100S7D10L10sX0.y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          N:300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ### 20,80000 0.89667 0.03333 0.20000 3.33333e-04 700 1 #TP_TM_PP,PR, PRR. n.sm2 8243 0.60000 0.89167 0.10333 0.20000 7.26190e-04 700 2 #TP_TM_PP,PR, PRR. n.sm2 8244 0.60000 0.89167 0.110333 0.20000 4.47619e-04 700 3 #TP_TM,PP,PR, PRR. n.sm2 8245 0.79000 0.22167 0.110303 0.40000 4.47619e-04 700 4 #TP_TM,PP,PR, PRR. n.sm3 8245 0.79000 0.22167 0.11000 0.37000 6.85174e-04 700 6 #TP_TM,PP,PR, PRR. n.sm5 8247 0.83500 0.89000 0.11000 0.15000 4.11905e-04 700 6 #TP_TM,PP,PR,PRR. n.sm1 8259 0.39000 0.18000 0.15600 4.04228e-04 700 6 #TP_TM,PP,PR,PRR. n.sm1 8251 0.33000 0.99100 0.11600 0.17000 6.85174e-04 700 6 #TP_TM,PP,PR,PRR. n.sm1 8252 0.88000 0.90167 0.05933 0.12000 0.17000 3.2428e-04 700 1 #TP_TM,PP,PR,PRR. n.sm1 8252 0.88000 0.90167 0.05933 0.12000 0.12000 0.17000 3.2142e-04 700 1 #TP_TM,PP,PR,PRR. n.sm2 8254 0.70000 0.90167 0.05933 0.12000 0.17000 3.2018e-04 700 4 #TP_TM,PP,PR,PR,RR. n.sm2 8254 0.70000 0.90167 0.05933 0.12000 0.20000 6.32914e-04 700 6 #TP_TM,PP,PR,PR,RR. n.sm2 8255 0.88000 0.90167 0.05933 0.12000 0.20000 6.32914e-04 700 6 #TP_TM,PP,PR,PR,RR. n.sm5 8256 0.80000 0.90167 0.05933 0.12000 0.20000 6.32914e-04 700 6 #TP_TM,PP,PR,PR,RR. n.sm2 8256 0.80000 0.90167 0.05933 0.12000 0.20000 6.32914e-04 700 6 #TP_TM,PP,PR,PR,RR. n.sm2 8256 0.80000 0.90167 0.14500 0.20000 6.32914e-04 700 6 #TP_TM,PP,PR,PR,RR. n.sm2 8256 0.80000 0.85500 0.14500 0.20000 6.32914e-04 700 6 #TP_TM,PP,PR,PR,RR. n.sm2 8256 0.60000 0.85500 0.14500 0.30000 6.32914e-04 700 6 #TP_TM,PP,PR,PR,RR. n.sm2 8256 0.60000 0.85500 0.14500 0.30000 6.32914e-04 700 6 #TP_TM,PP,PR,PR,RR. n.sm2 60 0.60000 0.85500 0.14500 0.30000 7.19048e-04 700 2 #TP_TM,PP,PR,PR,RR. n.sm2 60 0.60000 0.85600 0.14500 0.30000 7.19048e-04 700 2 #TP_TM,PP,PR,PR,RR. n.sm2 60 0.60000 0.85600 0.14500 0.39000 7.19048e-04 700 2 #TP_TM,PP,PR,PR,RR. n.sm2 60 0.50000 0.86600 0.86600 0.90000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              check
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #loo4speakerdigit+ sp:fhs tx:zer ntxi:10 k:36 dir:../12voicedata/allpole s:-1 0.7800 0.98667 0.1333 0.22000 3.33338-04 700 1 #FP.7M:PF.PR.RR.n.sml 0.66000 0.98637 0.34000 5.34000 5.23810-04 700 2 #FP.7M:PF.PR.RR.n.sml 0.58000 0.92000 0.08000 0.42000 7.14286e-04 700 3 #FP.7M:PF.NN:RR.n.sm2 0.88000 0.94500 0.05500 0.20000 3.64266e-04 700 4 #FP.7M:PF.NL:RR.n.sm4 0.63000 0.94530 0.05500 0.20000 3.64266e-04 700 6 #TP.7M:PF.NL:RR.n.sm4 0.63000 0.94530 0.05667 0.37000 6.09524e-04 700 6 #TP.7M:PF.PN:RRR.n.sm5 0.63000 0.70200 0.20000 3.88571e-04 700 6 #TP.7M:PF.PN:RR.n.sm5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ### Loodspeakerdigit+ sp:fhs tx:zero ntxi:10 k:36 dir:../12voicedata/allpole 0.9833 0.99219 0.00781 0.01667 3.49702e-05 700 d#Pr.TN. PP. NR. RR. n. txm 0.9833 0.99219 0.00781 0.01667 3.18452e-04 700 1 #PP.TN. PP. PN. RRR. n. txm 0.95000 0.99125 0.01875 0.05000 9.9143e-05 700 2 #PP.TN. PP. PN. ERR. n. txm 0.95000 0.99125 0.01875 0.03133 3.77976e-04 700 2 #PP.TN. PP. PN. RRR. n. txm 0.95000 0.99697 0.03125 0.2333 3.77976e-04 700 4 #PP.TN. PP. PN. RRR. n. txm 0.95000 0.97969 0.00300 0.0333 4.76190e-05 700 5 #PP.TN. PP. PN. RRR. n. txm 0.05000 0.00000 0.00000 0.3333 4.9612e-04 700 6 #PP.TN. PP. PN. RRR. n. txm 0.7000 0.9843 0.01250 0.0333 4.9812e-04 700 6 #PP.TN. PP. PN. RRR. n. txm 0.70000 0.98750 0.02500 0.0333 3.13190e-04 700 70 #PP.TN. PP. PN. RRR. n. txm 0.76667 0.98438 0.01250 0.2333 3.51190e-04 700 8 #PP.TN. PP. PN. RRR. n. txm 0.76667 0.98750 0.01250 0.01230 0.1333 3.51190e-04 700 8 #PP.TN. PP. PN. RRR. n. txm 0.76667 0.98750 0.01250 0.01230 2.31481e-05 700 9 #PP.TN. PP. PN. PRR. n. txm 0.76667 0.98750 0.01250 0.01230 2.31481e-05 700 9 #PP.TN. PP. PN. PRR. n. txm 0.76667 0.98750 0.01250 0.01230 2.31481e-05 700 9 #PP.TN. PP. PN. PRR. n. txm 0.76667 0.98750 0.01250 0.01230 2.31481e-05 700 9 #PP.TN. PP. PN. PRR. n. txm 0.76667 0.98750 0.01250 0.01250 0.01200 2.31481e-05 700 9 #PP.TN. PP. PN. PRR. n. txm 0.76667 0.98750 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 0.01250 
0.81667 0.97969 0.02031 0.18333 2.909238-04 700 5 #TP,TN,FP,FN,ERR,IN,EXMES 0.61667 0.95781 0.04219 0.38333 6.078878-04 700 6 #TP,TN,FP,FN,ERR,IN,EXME 0.65600 0.93125 0.06875 0.38000 5.982146-04 700 7 #TP,TN,FP,FN,FRR,IN,EXMT 0.68333 0.99313 0.02187 0.31667 4.835312-04 700 8 #TP,TN,FP,FN,ERR,IN,EXME 0.94375 0.98519 0.01481 0.05625 1.012218-04 700 9 #TP,TN,FP,FN,ERR,IN,EXME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        real487m32.987s user228ml3.120s sys36ml0.440s for ../12voicedata/allpole/0.81000.0.9333 0.00667 0.19000 2.80952e-04 700 1 #PP.TM, PR. PN. BRR, n. sml 0.70000 0.9333 0.00667 0.30000 4.95238e-04 700 2 #PP.TM, PP. FN. BRR, n. sml 0.75000 0.92333 0.07667 0.25000 4.66667e-04 700 3 #TP.TM, PP. PN. BRR, n. sml 0.84000 0.92333 0.07667 0.25000 4.66667e-04 700 3 #TP.TM, PP. PN. BRR, n. sml 0.68000 0.04500 0.33000 2.1429e-04 700 4 #PP.TM, PP. PN. BRR, n. sml 0.68000 0.95500 0.04500 0.32000 5.21429e-04 700 5 #TP.TM, PP. PN. BRR, n. sml 0.84500 0.95200 0.04600 0.15500 2.90000e-04 700 6 #TP.TM, PP. PN. BRR, n. sml
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      real379m40.150s user149m13.012s sys17m47.251s for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                user1139m14.808s sys29m48.676s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          user51m49.926s sys21m20.280s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                real1424m43.830s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          real287m53.188s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #retry
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 by mesabo
8211 | 110
8211 | 0.7
8211 | 0.7
8211 | 0.7
8215 | 0.7
8216 | 0.9
8221 | 0.9
8221 | 0.9
8221 | 0.9
8221 | 0.9
8222 | 0.7
8228 | 0.6
8228 | 0.6
8229 | 0.8
8239 | 0.8
8239 | 0.8
8230 | 0.6
8230 | 0.6
8230 | 0.6
8230 | 0.6
8230 | 0.6
8231 | 0.6
8231 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8238 | 0.6
8248 | 0.6
8248 | 0.6
8248 | 0.6
8248 | 0.6
8248 | 0.6
8248 | 0.6
8248 | 0.6
8248 | 0.6
8248 | 0.6
8248 | 0.6
8248 | 0.6
8248 | 0.6
8248 | 0.6
8248 | 0.6
8248 | 0.6
8248 | 0.6
8248 | 0.6
8248 | 0.6
8248 | 0.6
8248 | 0.6
8248 | 0.6
8248 | 0.6
8248 | 0.6
8248 | 0.6
8248 | 0.6
8248 | 0.6
8248 | 0.6
8248 | 0.6
8
```

Dec 05 2019 13:52:41

```
est for
8384
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8388
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8387
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8389
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8390
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8344 (1)t5 ps0.035U0.042Um0.016Up0.070LCO.002-0.999 iC10000=TR10000:PA0:SR0 CO=TA0:FR0:SR0 papad0.55:0.96 LA R0.55:0.01CT1:0/5 mid3v-2 adb pd0.035U0.042Um0.016Up0.070 LOSDO.0200-0700.042Um0.105Up0.070 R0345 (2)t5 ps0.979U0.0448Um0.12ZDp0.01LLCO.022-0.999 iCIOTRO:PR0:SR0 C1000=TA918:FR82:SA0 papad0.55:0.96 LA R0.55:0.01CT0:0/5 mid3v-2 daba18 pd0.979U0.048Um0.12ZDp0.01LCO.20290.01 LCO-TR0:FR0:SR0 C0=TA0:FR0:SR0 C0=TA0:FR0:SR0 Dapad0.55:0.96 LA R0.55:0.01 CTTO:0/5 mid3v-2 daba18 pd0.979U0.09ZUm0.12ZDp0.01 Pd7:FR5543:SR0 C0=TA0:FR0:SR0 papad0.55:0.96 LA RR0:55:0.01 CTTO:1/5 mid3v-2 daba18 pd0.939U0.09ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.03ZUm0.18Cp0.0
                                                                                                                 \#test=test:5:1000:\$\{ics\}:\$\{icd\}:\$\{T\}:papadT=papadT:0.5:0.96:\$\{TD\}:Lar=Lar:0.5:0:\$\{nA\}:ver=ver:-2: \#D
                                                                                                                                                                                                                                                                                                                                                     q#
                                                                                                                                                                                                                                                                                                                                                                               est for ver:-2 #for No4
8290  #test-test:5:1000:${lcd}:${lcd}:${T}:pApadT=pApAdT:0.5:0.97:50:LAR=LAR:0.5:0:${nA};ver=ver:-2; #best
R290  #test-fest:5pART:5tAR"
8291  echo "#$test:5pART:5tAR"
8292  cmd="speakerdigit_v3 $fs $fd $nSDL $pmin $ytm $void $gibbs $beta $sdP $lT $sdT $ver $pApAdT $LA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8300 emacs tmp/testsd.dat
8301 #cf loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:7 pmin:0.05 pth:.7 ts:4:0:3:1:
2 tdisp:4 beta:.6 PNr:.8 void:1 gibbs:1 mex:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #cmd="speakerdigit_v2 $fs $fd $nSDL $pmin $ytm $PNr $void $gibbs $beta $sdp $1T $sdT $ver $pApAdT $L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8304 t5 ps0.215U0.104Um0.082Upp0.127LCO.045-0.989 iC1000=TR1000:FA0:SRO CO=TAO:FR0:SAO pApAdO.5:0.96 LARO.5:0.0 iCTI:0/5 midlv-2 dAO pd0.628U0.240Um0.324Up0.174
8305 t5 ps0.499U0.204Um0.16Up0.245LCO.068-0.989 iCO=TR0:FRO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8299 speakerdigit_v3 fs:../12voicedata/allpole/loo4s-lN40S7D10L10sX0.y fd:../12voicedata/allpole/loo4d:.
IN40S7D10L0sX0.y x5DL:7:10:10 pmin.0:01 yrmil.10.9:1000 votdil glibbs:1 becal: 1sdP:0:11:2:3:4:5:6:7:8:9 lT::
sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 papadT:0.5:0.96:15 LAR:0.5:0:0 teset:5:1000:1:0:5 mx:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cmd="speakerdigit_v2 $fsd $nSDL $pmin $ytm $PNr $void $gibbs $beta $sdP $1T $sdT $ver $pApAdT $LAR
                                                                                                                                                                                                                                                                                                                                                #test=test:5:1000:${iCs}:${iCd}:${IT}:papadT=papadT:0.5:0.96:${TD}:LAR=LAR:0.5:0:${nA}:ver=ver:-2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      echo "#Done for $test;$pART;$LAR"
cmdl="cp tmp/testsd_stat.dat ../../2012/12voicedata/allpole/test2_sd1000_C${C}_v-2_No${No}.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    \label{eq:cmdl} $$ cmdl="cp tmp/testad_stat.dat .../12voicedata/allpole/test2_s+d1000_C$\{C\}_v-2_No$\{No\}.dat echo $cmdl; $cmdl; $cmdl]$$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             $nSDL $pmin $ytm $PNr $void $gibbs $beta $sdP $1T $sdT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          environment: Do 0 at 2013/02/27
if [ "$C" = "5" ]; then iCs=0; iCd=3; fi
if [ "$C" = "6" ]; then iCs=0; iCd=4; fi
if [ "$C" = "7" ]; then iCs=0; iCd=5; fi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "#Done for $test; $pART; $LAR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2013/08/13 for iconip2013
[0] Set the default environ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #cmd="speakerdigit_v $fsd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     echo "#$test;$pART;$LAR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         echo $cmdl; $cmdl;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   echo $cmd; $cmd;
                                                                                                                                                                                                                                                                                                             est for ver:-2 #for No5
8289 #test=test:5:100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           echo $cmd; $cmd;
                                                                                                                                                                                       8287 test=test:5:100
st for ver:-2 #for No6
8288 #test=test:5:10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ver:-2 #for No6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      echo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                R $test";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AR $test",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8337
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  st for 8335
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8307
8308
8309
8310
8311
8312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       83115
83116
83117
83113
83113
83221
83221
83223
83223
83224
83225
83226
83226
83228
83228
83228
83228
83228
83228
83228
83228
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        test";
```

47 (4) E5 ps0.806U0.166Um0.243Up0.100LC0.002-0.999 iCL000=TR995:FA5:SR0 C0=TA0:FR0:SA0 papado.5:0.96 LAR

readmecan2mspeech.txt

```
8391 ecnv v...
8392 done
8393 done
8393 done
8393 #for No6
8394 #for No6
8395 ed ~/sotu/2012/12voicedata/allpole/
8396 ed ~/sotu/2012/12voicedata/allpole/
8396 ed set styte data 1
8398 set styte data 1
8398 set style data 1
8398 set style data 1
8398 set style store (0.5,10,15);set ytics (0.0.5,0.96,1.0);set grid
8398 set style store (0.5,10,15);set ytics (0.0.5,0.96,1.0);set grid
8398 set style store (0.5,10,15);set ytics (0.0.5,0.96,1.0);set grid
8398 set style store (0.5,10,15);set ytics (0.0,10,0.96,1.0);set grid
8398 set style store (0.5,10,15);set with yerrorbars t "" test2.=st1000.c2_v-2_No6.c3t" using ($110, "" using ($110, "" test2.=st1000.c3_v-2_No6.c2];($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27,520);($27
                                                                                                                                                                                                                                                                                                                             8351 (1)t15 ps0.035U0.024Um0.014Up0.034LCO.002-0.999 iCIO000=TR1000:FA0:SRO CO=TAO:FR0:SAO pApAdO.5:0.96 L ARO.5:0.0 iCT1:0/5 mid3v-2 dA0 pd0.035U0.024Um0.014Up0.034 (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) (100.035) 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8404 set style data 1
8405 set xtics (0, 0, 5, 10, 10); set grid
8405 set xtics (0, 5, 10, 115); set ytics (0, 0, 5, 1, 0); set grid
8406 plot (-2:15, 9] (-0, 2:1, 1] "test2_s+d1000_c2_y-2_No6_dat" using ($1):($2, $2); ($2-$4);($2-$5) with yerrorbars t "" pt 6 Lt 1, "test2_s+d1000_c1_v-2_No6_dat" using ($1+0.2);($2); ($2, $2, $4);($2-$4);($2-$5); ($2, $4);($2-$5); ($2, $4);($2-$4);($2-$5); ($2, $4);($2-$5); ($2, $4);($2-$5); ($2, $4);($2-$5); ($2, $4); ($2-$5); ($2, $4); ($2-$5); ($2, $4); ($2-$5); ($2, $4); ($2-$5); ($2, $4); ($2-$5); ($2, $4); ($2-$5); ($2, $4); ($2-$5); ($2, $4); ($2-$5); ($2, $4); ($2-$5); ($2, $4); ($2-$5); ($2, $4); ($2-$5); ($2, $4); ($2-$5); ($2, $4); ($2-$5); ($2, $4); ($2-$5); ($2, $4); ($2-$5); ($2, $4); ($2-$5); ($2, $4); ($2-$5); ($2, $4); ($2-$5); ($2, $4); ($2-$5); ($2, $4); ($2-$5); ($2, $4); ($2-$5); ($2, $4); ($2-$5); ($2, $4); ($2-$5); ($2, $4); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); ($2-$5); 
0.5:0:0 icT0:2/5 mid3V-2 dA5 pd0.806U0.166Um0.243Up0.100
8348 (5)t5 ps0.484U0.18Uum0.204Up0.159LC0.002-0.999 icI000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.96 LA
R0.5:0:0 icT0:3/5 mid3V-2 dA0 pd0.484U0.181Um0.204Up0.1159
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #test=test:5:1000:${ics}:${icd}:${1d}:papadT=papadT=0.5:0.96:${TD}:LAR=LAR:0.5:0.5{nA}:ver=ver:-2: #b
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #Lest=test:5:1000:${ics}:${icd}:${T}}:$apadT=papadT=0.5:0.96:${TD};lar=Lar:0.5:0:${na};ver=ver:-2; #b
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #test=test:5:1000:${ics}:${idd}:${T}}:papadT=papadT:0.5:0.97:50;LaR=LaR:0.5:0.${na};ver=ver:-2: #best
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cmd="speakerdigit_v2 $fs $fd $nSDL $pmin $ytm $PNr $void $gibbs $beta $sdP $lT $sdT $ver $pApAdT $LA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      \label{localization} $$\lim_{T\to\infty} \frac{1}{2} \cdot \frac{1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2013/05/26 for iconip2013 [0] Set the default environment: Do 0 at 2013/02/27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "#Done for $test; $pART; $LAR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           echo "#$test;$pART;$LAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8357

8358

8359

8360

8361

8361

8362

8362

8363

8364

8364

8364

8364

8365

8365

8365

8365

8365

8365

8365

8365

8366

8376

8370

8371

8371

8371

8372

8371

8372

8373

8374

8374

8375

8375

8375

8376

8377

8377

8377

8377

8377

8377

8377

8377

8377

8378

8379

8379

8379

8379

8379

8379

8379

8379

8379

8379

8379

8379

8379

8379

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8371

8371

8371

8372

8372

8373

8374

8376

8377

8376

8377

8376

8377

8376

8377

8377

8378

8379

8379

8379

8379

8379

8379

8379

8379

8379

8379

8379

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370

8370
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   echo $cmd; $cmd;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 est for ver:-2 #for No4
8385 #test=test:5:100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ver:-2 #for No5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cmd1="cp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               for ver:-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            R $test";
```

```
5:00 (CTO:0)5 mid1v-2 dA995 pd0.95600.6630m0.1700p0.01

4242 tll ps0.97900.0480m0.01070b0.014420.003-0-098 iCO=TRO:PRO:ERG C1000=TR9957:PR43:SA0 pApAd0.5:0.96 LARO
4842 tll ps0.97900.0480m0.01070b0.014420.003-0-098 iCO=TRO:PRO:ERG C1000=TR9957:PR43:SA0 pApAd0.5:0.96 LARO
5:0:0 icTO:0)5 mid1v-2 dA991 pd0.98700.02070m0.0600p0.0222p0.003
4842 tl2 ps0.97800.0370m0.06370p0.0100m0.0222p0.003
4842 tl2 ps0.98000.0370m0.0670p0.008000.032p0.003
5:0:0 icTO:0)5 mid1v-2 dA991 pd0.98700.00970m0.0190p0.002
5:0:0 icTO:0)5 mid1v-2 dA993 pd0.988000.0080m0.0190p0.002
5:0:0 icTO:0)5 mid1v-2 dA999 pd0.988000.0080m0.0190p0.002
5:0:0 icTO:0)5 mid1v-2 dA999 pd0.988000.0060m0.0190p0.002
5:0:0 icTO:0)5 mid1v-2 dA999 pd0.988000.0060m0.0190p0.002
5:0:0 icTO:0)5 mid1v-2 dA999 pd0.988000.0060m0.0190p0.002
6430 tl0 ps0.98200.0270m0.0670p0.0070c0.003-0.998 icCo=TRO:PR0:PR0:ERG C1000=TR9990:PR1:SA0 pApAd0.5:0.96 LARO
6431 tl0 ps0.98200.0270m0.0670p0.0070c0.003-0.998 icCo=TRO:PR0:ERG C1000=TR9990:PR1:SA0 pApAd0.5:0.96 LARO
6431 tl0 ps0.98200.0270m0.0670p0.0070c0.003-0.998 icCo=TRO:PR0:ERG C1000=TR9990:PR3:SA0 pApAd0.5:0.96 LARO.
6432 tl0 ps0.98200.0270m0.0670p0.0070c0.003-0.998 icCo=TRO:PR0:ERG C1000=TR9990:PR3:SA0 pApAd0.5:0.96 LARO.
6432 tl0 ps0.98200.0200m0.0670p0.0070c0.003-0.998 icCo=TRO:PR0:ERG C1000=TR9990:PR3:SA0 pApAd0.5:0.96 LARO.
6432 tl0 ps0.98200.0200m0.0670p0.0070c0.003-0.998 icCo=TRO:PR0:ERG C1000=TR9990:PR3:SA0 pApAd0.5:0.96 LARO.
6432 tl0 ps0.98300.0260m0.0670p0.0070c0.003-0.998 icCo=TRO:PR0:ERG C1000=TR9990:PR3:SA0 pApAd0.5:0.96 LARO.
6432 tl0 ps0.98300.0260m0.0670p0.0070c0.003-0.998 icCo=TRO:PR0:ERG C1000=TR9990:PR3:SA0 pApAd0.5:0.96 LARO.
6432 tl0 ps0.98300.0260m0.0670p0.0070c0.003-0.998 icCo=TRO:PR0:PR0:ERG C1000=TR9990:PR3:SA0 pApAd0.5:0.96 LARO.
6500 icCTO:0/5 mid1v-2 dA995 pd0.98800.003-0.998 icCo=TRO:PR0:PR0:ERG C1000=TR9990:PR3:SA0 pApAd0.5:0.96 LARO.
6600 icCTO:0/5 mid1v-2 dA995 pd0.98800.003-0.998 icCo=TRO:PR0:PR0:ERG C1000=TR9990:PR3:SA0 PAPAAD0.5:0.96 LARO.
6700 icCTO:0/5 mid1v-2 dA995 pd0.98800.003-0.998 icCo=TRO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           est for ver:-2 #for No6 #462 #161000:$(ics):$(icd):$(T);papadT=papadT:0.5:0.959:$(TD);lar=Lar:0.5:0:$(na);ver=ver:-2; # 8462 #teset=ser:2 #for No5 #604 #10x No5 #10x
8411 set style data 1
8412 set takies (0,5,0,10,15,20,25,30,35,40,45,50);set ytios (0,20,40,60,80,100);set grid
8413 plot (-10:60](-10:100] "test2_sed1000_c1_v-2_No6.dat" using ($1):($10*0.1) t "CIPA" It 1, "test2_se41000_c2_v-2_No6.dat" using ($1):($14*0.1) t "CIPA" it 2, "test2_se41000_c2_v-2_No6.dat" using ($1):($10*0.1) t "CIPA" it 2, "test2_se41000_c3_v-2_No6.dat" using ($1):($10*0.1) t "CIPA" it 4, "test2_se41000_c3_v-2_No6.dat" using ($1):($10*0.1) t "CIPA" it 4, "test2_se41000_c5_v-2_No6.dat" using ($1):($10*0.1) t "CIPA" it 4, "test2_se41000_c5_v-2_No6.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     :0:0 icr0:2/5 midlw-2 da5 pd0.741U0.202Um0.310Up0.128
8437 t10 ps0.973UU.056Um0.128Up0.015Lcc.003-0998 ic1000=TR997:FA3:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.96 LAR0.
5:0:0 icr0:2/5 midlw-2 da3 pd0.796U0.1490m0.227Up0.087
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5:0:0 iCTT0:0/5 midlv-2 dA996 pd0.989U0.004Um0.010Up0.001
8433 t45 ps0.983U0.024Um0.058Up0.005Up0.001
5:0:0 iCTT0:0/5 midlv-2 dA996 pd0.989U0.004Um0.009Up0.001
8434 t50 ps0.983U0.023Um0.055Up0.006Um0.009Up0.001
8434 t50 ps0.983U0.023Um0.055Up0.006LC0.003-0.998 iCC=TR0:FRA0:SR0 C1000=TA997:FR3:SA0 pApAd0.5:0.96 LAR0.5:0.0 iCTT0:0/5 midlv-2 dA997 pd0.989U0.004Um0.009Up0.001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        test=test:5:1000:${ics}:${icd}:${T}};papadT=papadT:0.5:0.942:${TD};LaR=LAR:0.5:0.5:0.8{In}};ver=ver:-2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 t5 ps0.958U0.093Um0.188Up0.028LCO.003-0.998 iC1000=TR995:FA5:SR0 C0=TA0:FR0:SA0 papAd0.5:0.96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #RAD-3/T-10.70-10.0

#RO-3/T-5/TA-3/T60 C in 1 2 3 4 5 6 7; do

#RO-3/T-5/TA-3/T60 C in 1 2 3 4 5 6 7; do

#RO-3/T-5/TA-3/T60 C in 1 2 3 4 5 6 7; do

#RO-3/T-6/TA-0/TD-48/T60 C in 1 2 3 4; do

#RO-6/T-6/TA-0/TD-24/T60 C in 1 2 3 4; do

#RO-6/T-6/T6-7/T6-7/TD-24/T60 C in 1 2 3 4; do

#RO-6/T-6/T6-7/T6-7/T6-7/T60 C in 1 2 3 4; do

#RO-6/T-6/T6-7/T6-7/T60 C in 1 2 3 4; do

#RO-6/T-6/T6-7/T60 C in 1 2 3 4; do

#RO-6/T-6/T6-7/T60 C in 1 2 3 4; do

#RO-6/T-6/T60 C in 1 2 3 4; do

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              quit
#######
```

#test=test:5:1000:\${iCs}:\${iLd}:\${ITd}:papadT=papadT:0.5:0.963:50;LAR=LAR:0.5:0:\${IA}:ver=ver:-2; #bes best for ver:-2 #for for ver:-2 8464

....012-0.999 (CO=TRO:FRO:SAO PAPANO.51.

....020.0.1040m0.0322p0.004

....020.0.222p0.004

....020.0.032p0.004

....020.0.032p0.004

....020.0.032p0.004

....020.0.032p0.004

....020.0.022p0.004

....020.0.022p0.004

....010.022p0.004

....022p0.004

....022p0.004

....022p0.004

....022p0.004

. 9483 set style data 1
8484 set trice ata 1
8485 set style data 1
8485 plot (\$27):(\$27-\$29):(\$27-\$20) 8479 plot [-2.15.9][-0.2:1.1] "test2_s+d1000_c2_v-2_vth0_N06.dat" using (\$1):(\$27) t "pdd" lt 1, "" using (\$1):(\$27) t "pdd" lt 1, "" using (\$1):(\$27):(\$29):(\$27-\$29):(\$27-\$29):(\$27-\$29):(\$27-\$29):(\$27-\$29):(\$27-\$29):(\$27-\$20) "test using 8499 t15 ps0.99200.0290m0.0650p0.0081c0.002-0.999 iC1000=TR152:FR848:SR0 C0=TR0:FR20:SA0 pApAd0.5:0.942 LAR R0.5:0:0 iCT0:1/5 mid1v-2 dA848 pd0.96000.0570m0.1120p0.020 8500 t15 ps0.98200.0560m0.0570p0.0070m0.1120p0.020 8500 t15 ps0.98200.0560m0.0570p0.0071c0.0070m0.1120p0.020 8500 t15 ps0.98200.0560m0.0570p0.0071c0.0070m0.0599 iC1000=TR992:FA88:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.942 LAR0 8500 t15 ps0.98200.0560m0.0570p0.0071c0.0070m0.1980p0.069 \$pApAdT \$ set style data 1 set xtics (0,0.5,0.942,1.0); set grid #set xtics (0,6,12,18); set ytics (0,0.2,0)LAR #best 9494 | top PARR-t_yth0_No6.obj -/13iconip/speech/draft/ 8495 | #Exp3:ytm:-1 yth=0 T=50 8497 | t15 ps0.01700.0190m0.0060po.041LCO.001-0.999 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.942 1 8497 | t15 ps0.01700.0190m0.0060po.041LCO.001-0.999 iC1000=TR100:FA0:SR0 C0=TA0:FR0:SR0 pApAd0.5:0.942 1 8498 | t15 ps0.982U0.0271mo.059Upo.007LCO.002-0.999 iC10=TR0:FA0:SR0 C1000=TA980:FR20:SA0 pApAd0.5:0.942 1 8498 | t15 ps0.982U0.0271mo.059Upo.007LCO.002-0.999 iC10=TR0:FA0:SR0 C1000=TA980:FR20:SA0 pApAd0.5:0.942 1 8491 set style data 1 8491 set style data 1 8492 plot [-10:60][-10:100] "test2_s+di000_Cl_v-2_yth0_No6 dat" using (\$11:(\$10*0.1) t "ClFA" lt 1, ' s+d1000_C2_v-2_yth0_No6.dat" using (\$1):(\$14*0.1) t "C2FR" lt 2, "test2_s+d1000_C3_v-2_yth0_No6.dat" lt 3, "test2_s+d1000_C3_v-2_yth0_No6.dat" lt 3, "test2_s+d1000_C4_v-2_yth0_No6.dat" lt 3, "test2_s+d1000_C4_v-2_yth0_No6.dat" lt 4, sest2_s+d1000_C4_v-2_yth0_No6.dat" lt 4, "c3FR" lt 4, "c3FR" lt 4, "c3FR" lt 3, "c4FR" lt 4, " #test=test:5:1000:\${icd}:\${id}:\${id}:\${T}};papadT=papadT:0.5:0.97:50;Lak=Lak:0.5:0:\${na};ver=ver:-2; $\verb|cmd1| = \verb|cp| tmp/testsd_stat.dat .../12voicedata/allpole/test2_s+d1000_C$\{C\}_v-2_yth0_No$\{No}.dat = \verb|cp| tmp/testsd_stat.dat|$ \$pmin ytm:-1 \$PNr \$void \$gibbs \$beta \$sdP \$1T \$sdT \$ver cmd="speakerdigit_v2 \$fs \$fd \$nSDL cd ~/sotu/2012/12voicedata/allpole/ "#Done for \$test; \$pART; \$LAR pg_d and 8466 echo "#\$test; \$parT; \$Lar echo \$cmdl; \$cmdl; and echo \$cmd; \$cmd; #for No6 #for check pG .4,0.6,0.8,1.0); 8479 plot [-2: gnuplot ver:-2 LAR Stest"; 2_s+d1000_ 8465 8467 8472 8474 8474 8475 8476 8478 8468

```
ith yerrorbars t "" pt 6 it 3

16 yerrorbars t "" pt 6 it 3

16 yerrorbars t "" pt 6 it 3

16 yerrorbars t "" pt 6 it 3

17 yerrorbars t "" pt 6 it 3

18 yerrorbars t "" pt 6 it 1 "" pt 7

18 yerrorbars t "" pt 7 it 2," "" in aing ($1):($2-$4) with yerrorbars t "" pt 6 it 1 ", "test2_sed1000_cl_v-2_bayes_No6_dat" using ($10.2 it 2)

18 yerrorbars t "" pt 7 it 2," "" in aing ($10.2 it 2) yerrorbars t "" pt 6 it 1 " yerrorbars t "" pt 7 it 2," "" pt 7 it 2," " pt 7 it 2," pt 7 it 2," " pt 7 it 2," pt 7 it 2," " pt 7 it 2," pt 7 it 2," " pt 7 it 2," pt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8537 set style data 1
8538 set txics (0.5,5,0,15);set ytics (0,0.5,0.96,1.0);set grid
8539 plot [-2:15.9][-0.2:1.1] "test2.s+d1000_c2_v-2_bayes_No6.dat" using ($1):($27) t "pGd" lt 1, "" usin
8539 plot [-2:15.9][-0.2:1.1] "test2.s+d1000_c2_v-2_bayes_No6.dat" using ($1):($27):($27-$59):($37+$30) with yerrorbars t "" pt 6 lt 1, "test2.s+d1000_c3_v-2_bayes_No6.dat" using
($1+0.2):($27) t "" lt 2, "" using ($1+0.2):($27):($27-$29):($27+$30) with yerrorbars t "" pt 6 lt 2, "test2.s+d1000_c4_v-2_bayes_No6.dat" using ($1+0.4):($27) t "" lt 3, "" using ($1+0.4):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27
                                                                                                       q#
                                                                                                                                                                                             #be
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    test=test:5:1000:${ics}:${acd}:${T}:papadT=papadT:0.5:0.96:${TD}:LAR=LAR:0.5:0:${nA}:ver=ver:-2; #be
test=test:5:1000:${iCs}:${iCd}:${T}:papadT=papadT:0.5:0.96:${TD}:LaR=LAR:0.5:0:${na}:ver=ver:-2: #be
                                                                                                                                                                                                                                                                                                                                     SpapadT
                                                                                            test=test:5:1000:${iCs}:${iCd}:${1}};papadT=papadT:0.5:0.965:${TD}:LaR=LaR:0.5:0:${na};ver=ver:-2;
                                                                                                                                                                                             test=test:5:1000:${ics}:${icd}:${T}:papadT=papadT:0.5:0.97:${TD}:LAR=LAR:0.5:0:${nA}:ver=ver:-2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          \#test=test:5:1000:\$\{ics\}:\$\{icd\}:\$\{T\}\}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       echo "#Done for $test:$pART;$LAR"
cmdl="cp tmp.fcstsd_stat.dat ../12voicedata/allpole/test2_s+d1000_C${C}_v-2_bayes_No${No}.dat"
echo $cmdl; $cmdl;
                                                                                                                                                                                                                                                                               echo "#%test/%pART;%laR"
cmd="speakerdigit,v2 %fs %fd %nSDL %pmin %ytm %PNr %void gibbs:0 %beta %sdP %lT %sdT %ver
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    echo "#Done for $test;$pART;$LAR"
cmdl='cp tmp/testsd_stat.dat ../12voicedata/allpole/test2_s+d1000_C${C}_v-2_NO${No}.dat"
echo $cmdl; $cmdl;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       $11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       $gibbs $beta $sdP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       $pmin $ytm $PNr $void
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cd ~/sotu/2012/12voicedata/allpole/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  $fd $nSDL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2013/05/26 for iconip2013 old
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cmd="speakerdigit_v2 $fs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            echo "#$test;$pART;$LAR
                                                                                                                                       est for ver:-2 #for No5
8526 test=test:5:1000:
st for ver:-2 #for No4
8527 cho "#$test:$pM8
8528 cmd="speakerdigit,
                                                                                                                                                  #for No5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          st for ver:-2 #for No4
8580 #test=test:5:100
for ver:-2
8581 echo "#$test;$pA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   st for ver:-2 #for No5
8579 test=test:5:100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #for No6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            gnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                                 echo
                                                                                                                                                                                                                                                                                                                                                                                      AR $test";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   $test";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8582
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8549
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

~/sotu/2012/12voicedata/allpole/

and pg_d

#for check pg

```
8595 piot [-2:20][-0.1:1.1] "test2_s+d1000_c2_v-2_NO4.dat" using ($1):($27) t "pgd" lt 1, "" using ($1):($27):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$29):($27-$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8614 t6 ps0.969U0.061Um0.136Up0.018LCO.003-0.998 iCO=TR0:PR0:SR0 C1000=TR924:FR76:SR0 PAPAGO.5:0.96 LARO.
5:0:0 iCTO:0/6 midity-2 dA963 pd0.981U0.003-0.998 iCO=TR0:PR0:SR0 C1000=TR963:FR77:SR0 PAPAGO.5:0.96 LARO.
5:0:0 iCTO:0/6 midity-2 dA963 pd0.981U0.011LCO.003-0.998 iCO=TR0:PR0:SR0 C1000=TR963:FR37:SR0 pAPAGO.5:0.96 LARO .
5:0:0 iCTO:0/6 midity-2 dA963 pd0.9860U0.014Um0.032Up0.004
6:0:0 iCTO:0/6 midity-2 dA968 pd0.987U0.012Um0.030Up0.007
8617 t24 ps0.981U0.02TUm0.063Up0.007LCO.003-0.998 iCO=TR0:PR0:SR0 C1000=TR980:FR20:SR0 PAPAGO.5:0.96 LARO .
8617 t24 ps0.982U0.02TUm0.063Up0.007LCO.003-0.998 iCO=TR0:PR0:SR0 C1000=TR980:FR20:SR0 PAPAGO.5:0.96 LARO .
8617 t24 ps0.982U0.02TUm0.063Up0.007LCO.003-0.998 iCO=TR0:PR0:SR0 C1000=TR990:FR20:SR0 PAPAGO.5:0.96 LARO .
8618 t30 ps0.983U0.02TUm0.055Up0.003-0.998 iCO=TR0:PR0:SR0 C1000=TR999:FR8:SR0 PAPAGO.5:0.96 LARO .
8619 t36 ps0.983U0.02TUm0.055Up0.003-0.998 iCO=TR0:PR0:SR0 C1000=TR9993:FR7:SR0 PAPAGO.5:0.96 LARO .
8619 t36 ps0.983U0.032Um0.055Up0.006Um0.014Up0.002
8619 t36 ps0.983U0.032Um0.055Up0.006Um0.014Up0.001
8620 t42 ps0.984U0.021Um0.049Up0.005LCO.003-0.998 iCO=TR0:PR0:SR0 C1000=TR9993:FR7:SR0 PAPAGO.5:0.96 LARO. .
8620 t42 ps0.984U0.021Um0.049Up0.005LCO.003-0.998 iCO=TR0:PR0:SR0 C1000=TR9994:FR6:SR0 PAPAGO.5:0.96 LARO. .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ps0.961U0.089Um0.203Up0.025LC0.003-0.998 iC1000=TR849:FA151:SR0 C0=TA0:FR0:SA0 papad0.5:0.96 LAR0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5:0:0 icTO:0/6 midlv-2 dA994 pd0.989U0.004Um0.010Up0.001
8621 t48 ps0.984U0.019Um0.043Up0.005LCO.003-0.998 iCO=TRO:FR0:SR0 C1000=TA994:FR6:SA0 pApAd0.5:0.96 LARO.
8622 cro.0 icTO:0/6 midlv-2 dA994 pd0.989U0.004Um0.009Up0.001
8622 t6 ps0.96IU0.089Um0.203Up0.025LCO.003-0.998 iC1000=TR849:FA151:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.96 LARO
gnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          \#T = 18
```

#for No5

```
8674 18 ps0.02100.015:0.010-0.127 LCO.002-0.997 iC10000=TR1000:FR0:SR0 CO=TR0:FR0:SR0 papado.5:0.97 LARO.
5:00:01010/FR0:SR0-047:0.388-0.990 LCO.003-0.999 iCCO=TR0:FR0:SR0 CO=TR0:FR0:SR0 papado.5:0.97 LARO.
8675 t18 ps0.97900.037:0.388-0.990 LCO.003-0.998 iCCO=TR0:FR0:SR0 CO=TR0:FR0:SR0 papado.5:0.97 LARO.
5:00:01070:01/6 mid1v-2 dAs0 pd0.97300.037
8677 t18 ps0.97900.037:0.390-0.990 LCO.003-0.998 iC1000=TR90:SR0 CO=TR0:FR0:SR0 papado.5:0.97 LARO.
5:00:01070:11/6 mid1v-2 dAs0 pd0.97300.037
8677 t18 ps0.97900.034:0.420-0.990 LCO.003-0.998 iC1000=TR90:FR0:SR0 CO=TR0:FR0:SR0 papado.5:0.97 LARO.
5:00:01070:11/6 mid1v-2 dAs0 pd0.97300.037
8679 t18 ps0.9900.034:0.420-0.990 LCO.003-0.998 iC1000=TR100:FR0:SR0 CO=TR0:FR0:SR0 papado.5:0.97 LARO.
5:00:01070:12/6 mid1v-2 dAs0 pd0.98800.007
8679 t18 ps0.99000.034:0.400.137
8680 t24 ps0.02100.015:0.010-0.202 LCO.002-0.868 iC1000=TR100:FR0:SR0 CO=TR0:FR0:SR0 papado.5:0.97 LARO.
5:00:0171:01/6 mid1v-2 dAs0 pd0.98800.007
8681 t24 ps0.98300.025:0.580-0.990 LCO.003-0.998 iC1000=TR10:FR0:SR0 CO=TR0:FR0:SR0 papado.5:0.97 LARO.
5:00:0171:01/6 mid1v-2 dAs0 pd0.98800.007
8681 t24 ps0.98310.025:0.580-0.990 LCO.003-0.998 iC1000=TR10:FR0:SR0 CO=TR0:FR0:SR0 papado.5:0.97 LARO.
5:00:0171:01/6 mid1v-2 dAs0 pd0.98800.007
8681 t24 ps0.98310.025:0.580-0.990 LCO.003-0.998 iC1000=TR10:FR0:SR0 CO=TR0:FR0:SR0 papado.5:0.97 LARO.
5:00:0170:01/6 mid1v-2 dAs0 pd0.98800.009
8681 t24 ps0.98100.023:0.688-0.990 LCO.003-0.998 iC1000=TR10:FR0:FR0:SR0 papado.5:0.97 LARO.
5:00:0170:1/6 mid1v-2 dAs0 pd0.98200.003-0.999 iC1000=TR10:FR0:SR0 CO=TR0:FR0:SR0 papado.5:0.97 LARO.
5:00:01070:1/6 mid1v-2 dAs0 pd0.90200.003-0.999 iC1000=TR100:FR0:SR0 CO=TR0:FR0:SR0 papado.5:0.97 LARO.
5:00:01070:1/6 mid1v-2 dAs0 pd0.90200.003-0.999 iC1000=TR100:FR0:SR0 CO=TR0:FR0:SR0 papado.5:0.97 LARO.
5:00:01070:1/6 mid1v-2 dAs0 pd0.90200.003-0.999 iC1000=TR100:FR0:SR0 CO=TR0:FR0:SR0 papado.5:0.97 LARO.
5:00:0100:1/6 mid1v-2 dAs0 pd0.90200.003-0.999 iC1000=TR100:FR0:SR0 CO=TR0:FR0:SR0 papado.5:0.97 LARO.
5:00:0100:1/6 mid1v-2 dAs0 pd0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8653 set term tgifiset output "pG-L_gibbs.obj" rreplactiset term X11
8654 top pG-L_gibbs.obj ~/13iconip/speech/draft/
8654 top pG-L_gibbs.obj ~/13iconip/speech/draft/
8655 #for No5
8656 t24 ps0.021U0.015Um0.007Up0.025LC0.002-0.868 iC1000=TR1000:PA0:SR0 CO=TA0:FR0:SA0 pApAd0.5:0.96 LARO
8656 t24 ps0.021U0.015Um0.007Up0.007Up0.002
8657 t24 ps0.983U0.026Up0.005Up0.007Up0.033P0.003
8657 t24 ps0.983U0.026Up0.005Up0.007Up0.033P0.003
8658 t24 ps0.981U0.026Up0.005Up0.007Up0.033P0.003
8658 t24 ps0.981U0.023Up0.05Up0.009Up0.001003
8658 t24 ps0.981U0.033Up0.05Up0.002Up0.041Up0.010
8659 t24 ps0.981U0.033Up0.065Up0.008LC0.003-0.998 iC1000=TR979:FR21:SR0 CO=TA0:FR0:SA0 pApAd0.5:0.96 LARO
8659 t24 ps0.981U0.033Up0.065Up0.008LC0.003-0.998 iC1000=TR979:FR21:SR0 CO=TA0:FR0:SA0 pApAd0.5:0.96 LARO
8659 t24 ps0.981U0.023Up0.065Up0.008LC0.003-0.998 iC1000=TR979:FR21:SR0 CO=TA0:FR0:SA0 pApAd0.5:0.96 LARO
8659 t24 ps0.981U0.022Up0.008LC0.003-0.998 iC1000=TR979:FR21:SR0 CO=TA0:FR0:SA0 pApAd0.5:0.96 LARO
8659 t24 ps0.981U0.022Up0.008LC0.003-0.998 iC1000=TR979:FR21:SR0 CO=TA0:FR0:SA0 pApAd0.5:0.96 LARO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9684 t24 ps0.02100.0155m0.0070p0.025LC0.002-0.868 iC1000=TR1000:PA0:SR0 CO=TA0:FR0:SA0 papAd0.5:0.96 LAR0
5:0:0 1cT1:0/6 midlw-2 dab92 pd0.98800.0070m0.0170p0.002
6866 t24 ps0.98100.0256m0.0570p0.0070m0.0170p0.002
687 t24 ps0.98100.0256m0.0570p0.00700.00210p0.0210p0.002
6887 t24 ps0.98100.0238m0.0500p0.008LC0.003-0.998 iC1000=TR10FR0:SR0 CO=TA0:FFR0:SR0 papAd0.5:0.96 LAR0
8687 t24 ps0.98100.0238m0.0500p0.008LC0.003-0.998 iC1000=TR127:FR873:SR0 CO=TA0:FFR0:SR0 papAd0.5:0.96 LAR0
8687 t24 ps0.98100.0238m0.0500p0.008LC0.003-0.998 iC1000=TR127:FR873:SR0 CO=TA0:FFR0:SR0 papAd0.5:0.96 LAR0
8688 t24 ps0.98100.0239m0.0500p0.008LC0.003-0.998 iC1000=TR27:SR0 CO=TA0:FFR0:SR0 papAd0.5:0.96 LAR0
8688 t24 ps0.98100.0230m0.0650p0.008LC0.003-0.998 iC1000=TR279:FR21:SR0 CO=TA0:FFR0:SR0 papAd0.5:0.96 LAR0
                                                                                                                                                                                                                                                                                                                                                                                    8643 set xtics (0,6,12,18,24);set ytics (0,0.5,0.965,1.0);set grid #set xtics (0,6,12,18);set ytics (0,0.6,0.2,1.0);

8644 plot (2,0.1.0);

8644 plot [-2,261] why percentages the set of t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8650 set style data 1
8651 set xtics (0.6,12,18,24);set ytics (0.0.5,1.0);set grid
8651 set xtics (0.6,12,18,24);set ytics (0.0.5,1.0);set grid
8652 plot [-2:26][-0.11.1] "Lest2_s+d1000_2_2-v-2,No5.dat" using ($1):($2 plot [-2:4]:($2.45) with yerrorbars t "" pt 6 lt 1, "ess2_s+d1000_21_v-2,No5.dat" using ($1+0.2):($2):($2.54):($2.54):($2.54):($2.54):($2.54):($2.54):($2.55) with yerrorbars t "" pt 4 lt 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               t6 ps0.96900.0610m0.1360po.018LCO.003-0.998 iCO=TRO:PR0:SR0 C1000=TA895:FR105:SA0 papad0.5:0.97 LAR0 iCTO*00 mid1h-000 mid1h-0
                                                                                                                                                                                                                                                                                                   set style data 1 set xtics (0,0.5,0.965,1.0);set grid #set xtics (0,6,12,18);set ytics (0,0.12,18)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                065Up0.008LCO.003-0.998 ic1000=TR979:FA21:SR0 C0=TA0:FR0:SA0 PAPAd0.5:0.96 pd0.902U0.077Um0.128Up0.040
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     above) and tmp/testsd.dat.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #Result is saved in tmp/tested_stat.dat(same oder as above) and tmp/testsd
#Done for test:5:1000:0:6:paRr:385:20:10:LAR:0.5:00
cp tmp/testsd_stat.dat../12voicedata/allpole/test2_s+d1000_c2_v-2_N04.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   set term tgif;set output "pGd-t_gibbs.ob]";replot;set term Xl1 | Cp pGd-t_gibbs.obj ~/13iconip/speech/draft/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            t24 ps0.981U0.029Um0.065Up0.008LC0.003-0.998 iCT0:2/6 midlv-2 dA21 pd0.902U0.077Um0.128Up0.
           errorbars
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cd ~/sotu/2012/12voicedata/allpole/
#for check pG and pG_d and errorbar
cd ~/sotu/2012/12voicedata/allpole/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    No4??
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      gnuplot
                                                                                                                                                                                                                 gnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8689
8690
5:0:0 i
8691
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8662
8663
8664
8665
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

```
8719 set term telliset cutput "test2_s4d1000-g1bbs_N02.obj"; replot
8720 icp test2_s4d1000-g1bbs_N02.obj"/l3iconip/speech/draft/
8721 #Expliby speakerdigit_v2
8721 test2_s4d1000-g1bbs_N02.obj ~/13iconip/speech/draft/
8721 #Expliby speakerdigit_v2
8722 test pso: 02010.015:0.145 LCO.012-0.998 ic1000-TR1000:FR0:SR0 C0=TR0:FR0:SR0 pApad0.5:0.97 LARO.
5:0.0 icrn:0.0/5 mid1v-2 dAp71 pdd.98700.010
5:0.0 icrn:0.0/5 mid1v-2 dAp71 pdd.99700.009
8724 test pso: 98000.030:0.04810-0.990 LCO.003-0.998 ic1000-TR204:FR696:SR0 C0=TR0:FR0:SA0 pApad0.5:0.97 LARO.
5:0.0 icrn:0.0/5 mid1v-2 dAp71 pdd.99700.009
8725 test pso: 98000.036:0.466-0.990 LCO.003-0.998 ic1000-TR1000:FR0:SR0 C0=TR0:FR0:SA0 pApad0.5:0.97 LARO.
5:0.0 icrn:0.15 mid1v-2 dAp pdd.82200.114
8725 test pso: 97900.036:0.466-0.990 LCO.003-0.998 ic1000-TR1000:FR0:SR0 C0=TR0:FR0:SA0 pApad0.5:0.97 LARO.
5:0.0 icrn:0.15 mid1v-2 dAp pdd.82200.104
8725 test pso: 97900.036:0.006:0.0100-0.999 ic1000-TR1000:FR0:SR0 C0=TR0:FR0:SA0 pApad0.5:0.97 LARO.
5:0.0 icrn:0.15 mid1v-2 dAp80 pdd.97500.006
5:0.0 icrn:0.15 mid1v-2 dAp80 pdd.97500.006
8728 test pso: 052300.036:0.000-0.999 ic1000-TR20:FR0:SR0 C0=TR0:FR0:SA0 pApad0.5:0.97 LARO.
5:0.0 icrn:0.15 mid1v-2 dAp80 pdd.97400.066
8728 test pso: 05200.03200.03200.03200.000-0.999 ic1000-TR59:FP421:SR0 C0=TR0:FR0:SA0 pApad0.5:0.97 LARO.
5:0.0 icrn:0.15 mid1v-2 dAp80 pdd.97500.003
8729 test pso: 05200.03200.03200.001-0.990 lc0:003-0.999 ic1000-TR59:FP421:SR0 C0=TR0:FR0:SA0 pApad0.5:0.97 LARO.
5:0.0 icrn:1.5 mid1v-2 dAp80 pdd.9700.003
8729 test pso: 05200.002200.00230.0010-0.990 lc0:003-0.999 ic1000-TR59:FP421:SR0 C0=TR0:FR0:SA0 pApad0.5:0.97 LARO.
5:0.0 icrn:1.5 mid1v-2 dAp80 pdd.9700.003-0.999 ic1000-TR59:FP421:SR0 C0=TR0:FR0:SA0 pApad0.5:0.97 LARO.
5:0.0 icrn:1.5 mid1v-2 dAp422 pdd.92200.103
8729 test pso:0.95000.002300.002300.00300.00300.00300.00300.00300.00300.00300.00300.00300.00300.00300.00300.00300.00300.00300.00300.00300.00300.00300.00300.00300.00300.00300.00300.00300.00300.00300.00300.00300.00300.00300.00300.00300.00300.00300.00300.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8709 t18 ps0.979U0.038:0.482-0.999 LC0.003-0.998 iC10000=TR353:PA647:SR0 C0=TA0:PR0:SA0 pApAd0.5:0.98 LARO..5:0.98 LARO..5:0.98 LARO..5:0.99 LC0.003-0.998 iC10000=TR353:PA647:SR0 C0=TA0:PR0:SA0 pApAd0.5:0.98 LARO..5:0.98 LARO..5:0.0 C0=TA0:PR0:SA0 PAPAG0.5:0.99 LARO..5:0.99 LC0.003-0.998 iC1000=TR1000:PR0:SR0 C0=TA0:FR0:SA0 PAPAG0.5:0.99 LARO..5:0.98 LARO..5:0.0 LT0:SA0 PAPAG0.5:0.99 LARO..5:0.998 iC1000=TR1000:PR0:SR0 C0=TA0:FR0:SA0 PAPAG0.5:0.98 LARO..5:0.0 LC0.003-0.999 LC0.003-0.998 iC1000=TR1000:PA0:SR0 C0=TA0:FR0:SA0 PAPAG0.5:0.98 LARO..8:0.0 LC0.003-0.990 LC0.003-0.998 iC1000=TR1000:PA0:SR0 C0=TA0:FR0:SA0 PAPAG0.5:0.98 LARO..8:0.0 LC0.003-0.999 LC0.003-0.998 LO00=TR1000:PA0:SR0 C0=TA0:FR0:SA0 PAPAG0.5:0.98 LARO..8:0.0 LC0.003-0.999 LC0.003-0.998 LO00=TR1000:PA0:SR0 C0=TA0:FR0:SA0 PAPAG0.5:0.98 LARO..8:0.003-0.998 LARO..8:0.003-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8701 t6 ps0.021U0.025:0.010-0.322 LCO.002-0.997 iC10000=TR10000:FA0:SRO CO=TAO:FR0:SAO papado.5:0.97 LARO.5 iC.0 iCT:10/6 miditv-2 dA889 gad0.9810.0433 iC.0 = TAO:FR0:SRO C1000=TA872:FR128:SAO papado.5:0.97 LARO.5 iC.0 iCT:0/6 miditv-2 dA887 papado.5:0.997 LCO.004-0.998 iCO=TR0:FA0:SRO C1000=TA872:FR128:SAO papado.5:0.97 LARO.5 iC.0 iCT:0/6 miditv-2 dA876 pd0.97900.049 iC1000=TR500:FR500:SRO C0=TAO:FR0:SAO papado.5:0.97 LARO.5 iC.0 iCT:0.1/6 miditv-2 dA505 pd0.94700.084 iC1000=TR500:FR500:SRO C0=TAO:FR0:SAO papado.5:0.97 LARO.8 iC100:0.097 iCT:0.1/6 miditv-2 dA505 pd0.94700.084 iC1000=TR9899:FA11:SRO C0=TAO:FR0:SAO papado.5:0.97 LARO.5 iC.0 iCT:0.1/6 miditv-2 dA505 pd0.94700.084 iC1000=TR9899:FA11:SRO C0=TAO:FR0:SAO papado.5:0.97 LARO.5 iC.0 iCT:0.1/6 miditv-2 dA505 pd0.94700.084 iC1000=TR9899:FA11:SRO C0=TAO:FR0:SAO papado.5:0.97 LARO.5 iC.0 iCT:0.1/6 miditv-2 dA505 pd0.94700.084 iC1000=TR9899:FA11:SRO C0=TAO:FR0:SAO papado.5:0.97 LARO.5 iC.0 iCT:0.1/6 miditv-2 dA505 pd0.94700.084 iC1000=TR9899:FA11:SRO C0=TAO:FR0:SAO papado.5:0.97 LARO.5 iC.0 iCT:0.1/6 miditv-2 dA505 pd0.94700.084 iC1000=TR9899:FA11:SRO C0=TAO:FR0:SAO papado.5:0.97 LARO.5 iC.0 iCT:0.1/6 miditv-2 dA505 pd0.94700.084 iC1000=TR9899:FA11:SRO C0=TAO:FR0:SAO papado.5:0.97 LARO.5 iC.0 iCT:0.1/6 miditv-2 dA505 pd0.94700.084 iC1000=TR9899:FA11:SRO C0=TAO:FR0:SAO papado.5:0.97 LARO.5 iC.0 iCT:0.1/6 miditv-2 dA505 pd0.94700.084 iC1000=TR9899:FA11:SRO C0=TAO:FR0:SAO papado.5:0.97 LARO.5 iC.0 iCT:0.1/6 miditv-2 dA505 pd0.94700.084 iC1000=TR9899:FA11:SRO C0=TAO:FR0:SAO papado.5:0.97 LARO.5 iC.0 iCT:0.0 iCT:0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      t5 ps0.955U0.096:0.024-0.990 LC0.003-0.998 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.97 LAR0.5
                                                                                                                                                                                         papad0.5:0.97 LAR0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             pApAd0.5:0.97 LAR0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8737 E50 ps0.98400.021:0.559-0.990 LC0.003-0.998 iC1000=TR240:PR760:SR0 C0=TR0:FR0:SR0 papado.5:0.97 LAR0.5:0:0 iCT0:1/5 mid1y-2 day-60 ps0.9970:0.26

5:0:0 iCT0:1/5 mid1y-2 day-60 ps0.997400.026

5:0:0 iCT0:2/5 mid1y-2 day ps0.9970:0.091

5:0:0 iCT0:2/5 mid1y-2 day ps0.8770:0.91

8739 E50 ps0.98200.025:0.628-0.990 LC0.003-0.998 iC1000=TR1000:FR0:SR0 C0=TR0:SR0 pspado.5:0.97 LAR0.8770.091
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8717 #set xtics (0,1,2,3,4,5,6,7,8,9,10);set ytics (0,0.2,0.4,0.6,0.8,1.0); 8718 plot [-0.5:20.5][-0.2:1.4] "test2_s+d1000_C1_v-2_No2.dat" using 1:2 w 1, "" using 1:2:3 w errorbars 1, "" pt 4 lt 1, "test2_s+d1000_C2_v-2_No2.dat" using ($1):2 w 1, "" using ($1):2:3 w errorbars 1, "0, 0.5, 1 set term tgif;set output "total" using ($1):2 w 1, "" using ($1):2:3 w errorbars to "" pt 6 lt 8719 set term tgif;set output "total" using ($1):2 w 1, "" using ($1):2:3 w errorbars to "" pt 6 lt 8719 set term tgif;set output "total" using ($1):2 w 1, "" using ($1):2:3 w errorbars to "" pt 6 lt 8719 set term tgif;set output "total" using ($1):2 w 1, "" using ($1):2:3 w errorbars to "" pt 6 lt 8719 set term tgif;set output "total" using ($1):2 w 1, "" using ($1):2:3 w errorbars to "" pt 6 lt 8719 set term tgif;set output "total" using ($1):2 w 1, "" using ($1):2:3 w errorbars to "" pt 6 lt 8719 set term tgif;set output "total" using ($1):2 w 1, "" using ($1):2:3 w errorbars to "" pt 6 lt 8719 set term tgif;set output "total" using ($1):2 w 1, "" using ($1):2:3 w errorbars to "" pt 6 lt 8719 set term tgif;set output "total" using ($1):2 w 1, "" using ($1):2 w 1, "
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            pApAd0.5:0.97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      papad0.5:0.97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8707 t18 ps0.021U0.015:0.010-0.127 LC0.002-0.997 iC1000=TR1000:PA0:SR0 C0=TA0:FR0:SA0 papado.5:0.98 15:0:0 iCT1:0/6 midilv-2 dap32 pd0.897U0.012 8708 t18 ps0.979U0.037:0.388-0.990 LC0.003-0.998 iC0=TR0:PA0:SR0 C1000=TA916:FR84:SA0 papado.5:0.98 18:0:0 iCT0:0/6 midilv-2 dap36 pd0.897U0.014 8709 t18 ps0.979U0.038:0.682-0.997U0.014 8709 t18 ps0.979U0.038:0.482-0.990 LC0.003-0.998 iC1000=TR353:FA647:SR0 C0=TA0:FR0:SA0 papado.5:0.98 18709 t18 ps0.979U0.038:0.482-0.990 LC0.003-0.998 iC1000=TR353:FA647:SR0 C0=TA0:FR0:SA0 papado.5:0.98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        t50 ps0.020U0.013:0.010-0.142 LC0.002-0.998 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 papad0.5:0.97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ic0=TR0:FA0:SR0 C1000=TA989:FR11:SA0 papad0.5:0.97
C0=TA0:FR0:SA0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               :0:0 iCTO:3/5 midly-2 dAO pd0.354U0.174
8732 t5 ps0.957U0.087:0.069-0.990 LC0.003-0.998 iC1000=TR1000:FAO:SR0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5:0:0 iCTI:0/5 midlv-2 dA992 pd0.989U0.004
8736 t50 ps0.983U0.023:0.678-0.990 LC0.003-0.998
5:0:0 iCTO:0/5 midlv-2 dA989 pd0.989U0.004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          :0:0 iCT0:2/6 midlv-2 dAll pd0.840U0.153
8705
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     :0:0 iCTO:4/5 midlv-2 dA0 pd0.077U0.055
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               :0:0 iCT0:5/5 midlv-2 dA0 pd0.014U0.027
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ../12voicedata/allpole/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8714
8715
8716
8717
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8733
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8706
```

Dec 05 2019 13:52:41

iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 papAd0.5:0.97 LAR0. t50 ps0.984U0.021:0.741-0.990 LC0.003-0.998 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 papAd0.5:0.97 LAR0 LC0.003-0.998 .062U0.014 iCT0:5/5 midlv-2 dA0 pd0.010U0.001 midlv-2 dA0 pd0

9742 1.00 ps0.02000.011:0.010-0.093 LCO.002-0.870 iC1000=TR1000:PA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.988 LAR C5:01 dtT1:0/5 midity-2 dAp18 pd0.8900.002
8744 t100 ps0.98600.014:0.809-0.990 LCO.003-0.998 iC0=TR0:FR0:SR0 C1000=TA928:FR72:SA0 pApAd0.5:0.988 LAR C5:01 dtT0:0/5 midity-2 dAp28 pdd.98900.002
8745 t100 ps0.98600.013:0.812-0.990 LCO.003-0.998 iC1000=TR702:FA298:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.988 LA R0.5:01 dtT0:1/5 midity-2 dAp28 pdd.97600.020
8746 t100 ps0.98500.016:0.831-0.990 LCO.003-0.998 iC1000=TR1000:PA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.988 LAR R0.5:01 dtT0:2/5 midity-2 dAp20 pd0.84500.075
8746 t100 ps0.98500.016:0.831-0.990 LCO.003-0.998 iC1000=TR1000:PA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.988 LAR R0.5:01 dtT0:2/5 midity-2 dAp0 dA0.84500.075
8747 t100 ps0.98400.017:0.763-0.990 LCO.003-0.998 iC1000=TR1000:PA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.988 LAR R0.5:01 dtT0:2/5 midity-2 dAp0 pd0.84500.075

R0.5:0:0 iCC0:1/5 midly-2 dA483 pd0.976U0.020 8752 t100 ps0.985U0.016:0.831-0.990 LC0.003-0.998 iC1000=TR1000:PA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.985 LAR 0.5:0:0 iCT0:2/5 midly-2 dA0 pd0.845U0.075

8754 ±50 ps0.020U0.013:0.010-0.142 LCO.002-0.998 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 PAPAAGO.5:0.985 LARO
5:0:0 iCTT1:0/5 mid1v-2 dA937 pd0.989U0.004
8755 ±50 ps0.983U0.023:0.678-0.990 LCO.003-0.998 iCT0=TR0:FA0:SR0 C1000=TA929:FR71:SA0 PAPAAGO.5:0.985 LARO
5:0:0 iCT0:0/5 mid1v-2 dA929 pd0.989U0.004
5:0:0 iCT0:0/5 mid1v-2 dA929 pd0.999U0.004
8756 ±50 ps0.998U0.021:0.644.0.990 LCO.003-0.998 iC1000=TR577:FR423:SR0 C0=TA0:FR0:SA0 PAPAAGO.5:0.985 LARO
8757 ±50 ps0.998U0.022:0.747-0.990 LCO.003-0.998 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 PAPAAGO.5:0.985 LARO
8757 ±50 ps0.998U0.022:0.747-0.990 LCO.003-0.998 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 PAPAAGO.5:0.985 LARO
8758 ±50 ps0.998U0.025:0.284-0.990 LCO.003-0.998 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 PAPAAGO.5:0.985 LARO
8758 ±50 ps0.998U0.025:0.284-0.990 LCO.003-0.998 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SR0 PAPAAGO.5:0.985 LARO 8753

8767 t5 ps0.023U0.037:0.010-0.483 LCO.002-0.998 iC1000-TR1000:FA0:SRO CO=TA0:FR0:SAO PAPAGO.5:0.985 LARO.
5:0:0 ictr10/5 midlu-2 dA766 pd0.994U0.066
8768 t5 ps0.957U0.096:0.101-0.990 LCO.003-0.998 iC1000-TR40:SRO C1000-TR40:FR219:SAO PAPAGO.5:0.985 LARO.
5:0:0 ictr0:0/5 midlu-2 dA784 pd0.976U0.063
8769 t5 ps0.959U0.082:0.118-0.990 LCO.003-0.998 iC1000-TR872:FA128:SRO C0=TA0:FR0:SAO PAPAGO.5:0.985 LARO.
8770 t5 ps0.958U0.093:0.074-0.990 LCO.003-0.998 iC1000-TR9999:FA1:SRO C0=TA0:FR0:SAO PAPAGO.5:0.985 LARO.
8770 t5 ps0.958U0.093:0.074-0.990 LCO.003-0.998 iC1000-TR9999:FA1:SRO C0=TA0:FR0:SAO PAPAGO.5:0.985 LARO.
8771 t5 ps0.955UO.110:0.078-0.990 LCO.003-0.998 iC1000-TR9999:FA1:SRO C0=TA0:FR0:SAO PAPAGO.5:0.985 LARO.
8771 t5 ps0.955UO.110:0.078-0.990 LCO.003-0.998 iC1000-TR000:FA0:SRO C0=TA0:FR0:SAO PAPAGO.5:0.985 LARO.
5:0:0 ictr0:3/5 midlu-2 dAA pd0.354UO.174

ps0.021U0.015:0.010-0.145 LC0.002-0.998 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 papad0.5:0.99 LAR0 8773 t20 ps0.021U0.015:0.010-0.145 LCO.0 5:0:0 iCT1:0/5 midlv-2 dA726 pd0.987U0.010 8772

8777 t20 ps0.978U0.045:0-313-0.990 LC0.003-0.998 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 PAPAd0.5:0.99 LAR0.5:0.109 LAR0.5:0. 8779 #t50 ps0.020U0.013:0.010-0.142 LC0.002-0.998 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.95 .5:0:0 iCT1:0/5 mid1v-2 dA998 pd0.989U0.004 8780 #t50 ps0.983U0.023:0 678-0 con rem con r

5:0:0 iCTO:0/5 midlv-2 dA998 pd0.989U0.004
#8781 #E105 pe0.884U0.021.0.494-0.990 LCO.003-0.998 iCI000=TR114:FA886:SR0 CO=TA0:FR0:SA0 papado.5:0.95 LAR
#8782 #E20 pe0.884U0.022:0.744-0.990 LCO.003-0.998 iCI000=TR1000:FA0:SR0 CO=TA0:FR0:SA0 papado.5:0.95 LARO
6.5:0.0 iCTO:1/5 midly-2 dA0 pd0.837U0.001
8783 #E50 ps0.983U0.022:0.747-0.990 LCO.003-0.998 iCI000=TR1000:FA0:SR0 CO=TA0:FR0:SA0 papado.5:0.95 LARO
8783 #E5 ps0.031U0.037:0.010-0.483 LCO.002-0.998 iCI000=TR1000:FA0:SR0 CO=TA0:FR0:SA0 papado.5:0.99 LARO.
6:0:0 iCTI:0/5 midly-2 dA0 pd0.837U0.006 #t50 ps0.983U0.023:0.678-0.990 LC0.003-0.998 LC0=TR0:FA0:SR0 C1000=TA998:FR2:SA0 pApAd0.5:0.95 LAR0

readmecan2mspeech.txt Dec 05 2019 13:52:41 pApAd0.5:0.99 LAR0 990 LC0.003-0.998 iC0=TR0:FA0:SR0 C1000=TA746:FR254:SA0 iC1000=TR875:FA125:SR0 C0=TA0:FR0:SA0 LC0.003-0.998 976U0.063 iCT0:1/5 midlv-2 dA126 pd0.922U0.123

#L10 ps0.977U0.039:0.369-0.990 LCO.003-0.998 ic1000=TR344:FA656:SR0 C0=TA0:FR0:SA0 papad0.5:0.97 LAR iCT0:1/5 mid1v-2 dA657 pd0.957U0.055 8796

0.5:0:0

8803 #E5 ps0.95200.101:0.101-0.990 LC0.003-0.998 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.99 LAR0.
5:0:0 iCT0:4/5 midiv-2 dA0 pd0.07600.060
8804 #E5 ps0.95300.103:0.053-0.990 LC0.003-0.998 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.99 LAR0.
5:0:0 iCT0:6/5 midiv-2 dA0 pd0.01300.011

#Exp2:gibbs=gibbs:0; ==bayes #bayesでは分散が大きく、パラつく

test=test:5:1000:\${iC\$}:\${iC\$}:\${iC\$}:\${T};papadT=papadT:0.5:0.965:\${TD};LaR=LaR:0.5:0.\${nA};ver=ver:-2; #b test=test:5:1000:\${1Cs}:\${1Cd}:\${1T}:pApAdT=pApAdT:0.5:0.97:\${TD};LAR=LAR:0.5:0:\${nA};ver=ver:-2; #be est for ver:-2 #for No5 % 888 test-test:5:1000:\${lcs}: st for ver:-2 #for No4 8829 echo "#\$test;\$parr;\$tar. 8830 cmd="speakerdigit_v2 \$fs

cmd="speakerdigit_v2 \$fs \$fa \$nSDL \$pmin \$ytm \$PNr \$void gibbs:0 \$beta \$sdP \$1T \$sdT \$ver \$pApAdT \$L AR \$test"; 8831 ech

echo "#Done for \$test:\$pART:\$LAR" cmdl='cp tmmp/testsd_stat.dat ../l2voicedata/allpole/test2_s+dl000_C\${C}_v-2_bayes_No\${No}.dat" echo \$cmdl; 8833

No5

```
8449 set tation (0.6.12,18.24);set ytics (0.0.5,1.0);set grid 8449 set tation (6.12,18.24);set grid 8449 set tation (0.6.12,18.24);set ytics (0.0.5,1.0);set grid 8449 plot [-2.26][-0.11.1] "test2_s+di000_C2_v-2_bayes_NO5.dat" using ($10.62.56] us
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8863 plot [-2:20][-0.11:1.1] "test2_s+d1000_C2_v-2_pages_Nd4.dat" using ($1):($27) t "pdd" lt 1, "" using ($1):($27):($27-$29):($27-$30) with yerrorbars t "" pt 6 lt 1, "test2_s+d1000_C3_v-2_bayes_Nd4.dat" using ($1.1:($27):($27-$29):($27-$29):($27-$29):($27-$29):($27):($27-$29):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.00.7 - 0.00.4 - 0.00.4 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.00.5 - 0.0
                                                                                                                                                                                                                                                                                                                                                           8840 set style data 1
8841 set xics (0.6.12.118.24);set ytics (0.0.5,0.965,1.0);set grid
8842 plot [-2.26][-0.11.1] "test2_s+dl000_c2_v-2_bayes_No5.dat" using ($1):($27) t "pcd" lt 1, "" using
8842 plot [-2.26][-0.11.1] "test2_s+dl000_c2_v-2_bayes_No5.dat" using ($1):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8877 set style data 1
8878 set xitos (0,6.12.138);set ytios (0,0.5,1.0);set grid
8878 set xitos (0,6.12.138);set ytios (0,0.5,1.0);set grid
8879 plot [-2.20][-0.11.1.1] "test2_s+d1000_C2_v-2_bayes_No4.dat" using ($1):($2):($2.54):($2.54):($2.54):($2.54):($2.54):($2.54):($2.54):($2.54):($2.54):($2.55):($2.54):($2.54):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):($2.55):
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8890 #Exp2: gibbs=gibbs:0; ==bayes #bayesでは分散が大きく、バランく
8891 tl8 ps0.01200.0120:0.100-0.582 LC0.002-0.870 iC10000=TR1000:FR0:SR0 CO=TR0:FR0:SR0 pApad0.5:0.97 LARO.
5:0:0 id10:0/6 midity-2 dAp65 pd0.970700.114
8892 tl8 ps0.96200.139:0.010-0.990 LC0.003-0.998 iC1000=TR252:FR748:SR0 CO=TR0:FR0:SR0 pApad0.5:0.97 LARO.
5:0:0 id10:0/6 midity-2 dAp59 pd0.95600.133
8893 tl8 ps0.96600.127:0.010-0.990 LC0.003-0.998 iC1000=TR252:FR748:SR0 CO=TR0:FR0:SR0 pApad0.5:0.97 LARO.
5:0:0 id10:1/6 midity-2 dA758 pd0.95200.266
8894 tl8 ps0.96100.136:0.010-0.990 LC0.003-0.998 iC1000=TR458:FR542:SR0 CO=TR0:FR0:SR0 pApad0.5:0.97 LARO.
5:0:0 id10:1/6 midity-2 dA758 pd0.97400.361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "" using 1:2:3 w err
($1):2:3 w errorbars
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #plot [-2:20][-0.2:1.4] "test2_s+d1000_C1_v-2_bayes_No4.dat" using 1:2 w 1, pt 4 t t1, "test2_s+d1000_C2_v-2_bayes_No4.dat" using ($1):2 w 1, "" using (: 1, 0, 0.5, 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #set term tgif/set output "test2_s+d1000-bayes_No4.obj";replot
#!cp test2_s+d1000-bayes_No4.obj ~/13iconip/speech/draft/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              h yerrorbars t "" pt 6 lt 3
8843 set term tgifiset output "pdd-t_bayes.obj";replot;set term Xll
8844 !tp pdc_t bayes.obj ~/13iconip/speech/draft/
8845 cd ~/sotu/2012/12voicedata/allpole/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     grid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #set_xtics (0,6,12,18);set ytics (0,0.2,0.4,0.6,0.8,1.0);
#plot [-2:20][-0.2:1.4] "test2_s+d1000_C1_v-2_bayes_No4.da
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       set xtics (0,6,12,18);set ytics (0,0.5,0.96,1.0);set
              errorbars
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cd ~/sotu/2012/12voicedata/allpole/
#for check pG and pG_d and errorbar cd ~/sotu/2012/12voicedata/allpole/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #cd ../12voicedata/allpole/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   set style data l
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #for No4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #gnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                gnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         gnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       rs t "" pt .
pt 6 lt 1,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8844
8845
8846
```

8895 t18 ps0.970U0.118:0.010-0.990 LCO.003-0.998 iC1000=TR686:FA314:SR0 C0=TA0:FR0:SA0 papad0.5:0.97 LAR0 5:0:0 iCT0:3/6 mid1v-2 dA321 pd0.5450U.423

8916 | ICP Details 24-41000-bayes NO2.0bj -/131conip/Speech/draftt/
8917 | Brazz by speakerdigit_v2
8918 | Brazz by speakerdigit_v2
8918 | Brazz by speakerdigit_v2
8919 | Brazz by speakerdigit_v2
8910 | Brazz by speakerdigit_v2
8920 | Brazz by speakerdigit_v2
8921 | Brazz by speakerdigit_v2
8921 | Brazz by speakerdigit_v2
8922 | Brazz by speakerdigit_v2
8924 | Brazz by speakerdigit_v2
8924 | Brazz by speakerdigit_v2
8924 | Brazz by speakerdigit_v2
8925 | Brazz by speakerdigit_v2
8926 | Brazz by speakerdigit_v2
8927 | Brazz by speakerdig ...avu icl000=TR999:FAl:SR0 CO=TAO:FR0:SA0 pApAd0.5:0.97 LAR0
8904 *L4 ps0.96*00.1210.010-0.990 LC0.003-0.998 iCO=TR0:FR0:SR0 CO=TAO:FR0:SR0 pApAd0.5:0.97 LAR0
6804 *L4 ps0.96*00.121:0.010-0.990 LC0.003-0.998 iC1000=TR262:FR738:SR0 CO=TAO:FR0:SR0 pApAd0.5:0.97 LAR0
6805 *L24 ps0.96*00.114:0.010-0.900 LC0.003-0.998 iC1000=TR262:FR738:SR0 CO=TAO:FR0:SR0 pApAd0.5:0.97 LAR0
8906 *R0: CT0:2/6 midity-2 dA530 pd0.70340.367
8908 *R0 *R0: CT0:2/6 midity-2 dA530 pd0.70340.367
8908 *R0 *R0: CT0:2/6 midity-2 dA530 pd0.70340.367
8909 *R0 *R0: CT0:2/6 midity-2 dA530 pd0.70340.367
8910 *R0: CT0:2/6 midity-2 dA530 pd0.70340.367
8911 *R0: CT0:2/6 midity-2 dA530 pd0.70340.367
8912 *R0: CT0:2/6 midity-2 dA530 pd0.70340.367
8913 *R0: CT0:2/6 midity-2 dA530 pd0.70340.367
8914 *R0: CT0:2/6 midity-2 dA530 pd0.70340.367
8915 *R0: CT0:2/6 midity-2 dA530 pd0.70340.367
8916 *R0: CT0:2/6 midity-2 dA530 pd0.70340.367
8917 *R0: CT0:2/6 midity-2 dA530 pd0.70340.367
8918 *R0: CT0:2/6 midity-2 dA530 pd0.70340.367
8910 *R0: CT0:2/6 midity-2 dA530 pd0.70340.367
8910 8934 t10 ps0.01700.065:0.010-0.973 LC0.002-0.998 iC10000=TR996:FA4:SR0 CO=TA0:FR0:SA0 pApad0.5:0.97 LARO.5 c10.0 iCT1:0/5 midity-2 dA962 pd0.96810.121 c10.0 iCT1:0/5 midity-2 dA962 pd0.96810.121 c10.0 iCT1:0/5 midity-2 dA960 pd0.96810.116 c10.0 iCT0:0/5 c10.0 iCT0:0/5 midity-2 dA960 pd0.96810.116 c10.0 iCT0:0/5 midity-2 dA960 pd0.98810.126 c10.0 iCT0:0/5 midity-2 dA9741 pd0.838100.282 c10.0 iCT0:0/5 midity-2 dA9741 pd0.838100.282 c10.0 iCT0:0/5 midity-2 dA974 pd0.6890.374 c10.0 iCT0:0/5 midity-2 dA974 pd0.6890 c10.0 iCT0:0/5 midity-2 dA974 pd 8897 t6 ps0.01500.047:0.010-0.922 LC0.002-0.998 iC10000=TR999:PA1:SR0 C0=TA0:PR0:SA0 papad0.5:0.97 LAR0.5: 0.0 iCT1:0/6 midiy-2 day54 pd0.96200.140
8898 t6 ps0.96800.120:0.010-0.990 LC0.003-0.998 iC0=TR0:PA0:SR0 C1000=TA944:PR56:SA0 papad0.5:0.97 LAR0.5: 0.01 iCT0:0/6 midiy-2 day56 pd0.97200.103
8899 t6 ps0.96700.220.010-0.990 LC0.003-0.998 iC1000=TR333:PA767:SR0 C0=TA0:PR0:SA0 papad0.5:0.97 LAR0.5
8899 t6 ps0.96700.121:0.010-0.990 LC0.003-0.998 iC1000=TR233:PA767:SR0 C0=TA0:PR0:SA0 papad0.5:0.97 LAR0. 8939 t10 ps0.960U0.143:0.010-0.990 LC0.003-0.998 iC1000=TR998:FA2:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.97 LAR0.5:0.0 iCTO:4/5 mid1v-2 dA5 pd0.181U0.339 8940 t10 ps0.963U0.134:0.010-0.990 LC0.003-0.998 iC1000=TR1000:PA0:SR0 C0=TA0:PR0:SA0 pApAd0.5:0.97 LAR0. 8942 t15 ps0.013U0.028:0.010-0.806 LCO.002-0.998 iC1000-FR000SFA0:SRO CO-TA0:FR0:SAO papado.5:0.97 LARO. 25.0.971 LARO. 20.0 iCTI-0.75 midlat-2 days9 pd0.959C01.144 8943 t15 ps0.966C0.124:0.010-0.990 LCO.03-0.998 iCO-TR0:FR0:SRO C1000-TA944:FR56:SAO papado.5:0.97 LARO. 2949 LCO-TR0:FR0:SAO PAPAGO.5:0.97 LARO. LC0.003-0.998 iC1000=TR827:FA173:SR0 C0=TA0:FR0:SA0 papad0.5:0.97 8899 t6 ps0.967U0.121:0.010-0.990 LCO.003-0.998 iC1000=TR233:FA767:SR0 C0=TA0:FR0:SA0 pApAdo.5:0.97 L 5:0:0 iCT0:1/6 midlv-2 dA781 pd0.856U0.270 8900 tc ps0.967U0.14:0.010-0.990 LCO.004-0.998 iC10000=TR458:FA542:SR0 C0=TA0:FR0:SA0 pApAdo.5:0.97 5:0:0 iCT0:2/6 midlv-2 dA781 pd0.856U0.270 8901 LCO.004-0.998 iC10000=TR458:FA542:SR0 C0=TA0:FR0:SA0 pApAdo.5:0.97 38901 LCO:2/6 midlv-2 dA551 pd0.724U0.359 set term tgif;set output "test2_s+d1000-bayes_No2.obj";replot !cp test2_s+d1000-bayes_No2.obj ~/13iconip/speech/draft/ 8938 t10 ps0.96200.136:0.010-0.990 LC0.00 .5:0:0 icT0:3/5 midly-2 dA177 pd0.43500.428 8939 t10 ps0.96000.143:0.010-0.990 LC0.00 midlv-2 dA0 pd0.014U0.047 :0:0 iCT0:5/5 midlv-2 dA0 pd0.014U0.047 iCT0:5/5 8916 8917 8918 8919 8933

```
9951 WNO-177=57nA-11for C in 1 2 3 4 5 6 7; do
8951 WNO-177=57nA-11for C in 1 2 3 4 5 6 7; do
8952 #NO-277=57nA-11for C in 1 2 3 4 5 6 7; do
8953 #NO-377=10.nA=0.for C in 1 2 3 4 5 6 7; do
8954 #NO-277=57nA-0.for C in 1 2 3 4 5 6 7; do
8955 #NO-577=67nA-0.for C in 1 2 3 4; do
8956 #NO-577=67nA-0.for C in 1 2 3 4; do
8956 #NO-577=67nA-0.for C in 1 2 3 4; do
8959 if [ "$C" = "4" ]; then iCs=1; idd=0; fi
8959 if [ "$C" = "4" ]; then iCs=0; idd=2; fi
8950 if [ "$C" = "5" ]; then iCs=0; idd=2; fi
8950 if [ "$C" = "7" ]; then iCs=0; idd=3; fi
8961 if [ "$C" = "7" ]; then iCs=0; idd=4; fi
8962 if [ "$C" = "7" ]; then iCs=0; idd=5; fi
8964 test=test:5:1000:$(iCs):${idd}:$(T):papadT=papadT:0.5:0.945:$(TD):LAR=LAR:0.5:0:$(nA);ver=ver:-2; #D
8964 test=test:5:1000:$(iCs):${idd}:$(T):papadT=papadT:0.5:0.945:$(TD):LAR=LAR:0.5:0:$(nA);ver=ver:-2; #D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8990 | top pG-L_ytho_Nod.obj ~/13iconip/speech/draft/
8991 | top pG-L_ytho_Nod.obj ~/13iconip/speech/draft/
8992 | spectrant Ugano.obj ~/13iconip/speech/draft/
8992 | spectrant C_1/22,18,24);set ytics (0,0.2,0.4,0.6,0.8,1.0);
8993 | spectratics (0,6,12,18,24);set ytics (0,0.2,0.4,0.6,0.8,1.0);
8994 | spectratics (0,1.2,3.4,5.6,7.8,5.0);set ytics (0,0.2,0.4,0.6,0.8,1.0);
8995 | spectratics (0,1.2,3.4,1.6,7.8,1.0);
8995 | spectratics (0,1.2,3.4,1.6,7.8,1.0);
8996 | spectrant cgifset cutput "test2_s+d1000_cita" using ($1):2 w l, "" using ($1):2:3 w errorbars t top test2_s+d1000_cita.obj ~/13iconip/speech/draft/
8996 | spectrant cgifset cutput "test2_s+d1000-gibbs_ytho_No2.obj";replot | 8996 | spectrant cgifset cutput "test2_s+d1000-gibbs_ytho_No2.obj";replot | 8999 | spectrant cgifset cutput "top test2_s+d1000-gibbs_ytho_No2.obj (2990:000-gibbs_ytho) spectrant cgifset cutput "top test2_set (200-gibbs_ytho_No3.obj (200-gibbs_ytho) spectrant cgifset cutput "top test2_set (200-gibbs_ytho_No3.obj (200-gibbs_ytho) spectrant cgifset cutput "top test2_set (200-gibbs_ytho_No3.obj (200-gibbs_ytho) spectrant cgifset cutput "top test2_set (200-gibbs_ytho) spectrant cgifset cutput "top test2_set (200-gibbs_ytho) spectrant cgifset (200-gi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9985 grupulot

8986 set teryle data 1

8988 set teryle data 1

8988 set terile (0,6,12,18);set ytics (0,0.5,1.0);set grid

8988 plot [-2:20][-0.11.1] "test2_s+d1000_c2_v-2_yth0_No4.dat" using ($1]:($2) t "pg" lt 1, "" using ($1]

9988 plot [-2:20][-0.11.1] "test2_s+d1000_c2_v-2_yth0_No4.dat" using ($1+0.2):($2):($2.5) with yerrorbars t "" pt 4 lt 2

2) t "" lt 2, "" using ($1+0.2):($2):($2):($2-$4):($2-$5) with yerrorbars t "" pt 4 lt 2

8989 set term tgifset output "pc-L_yth0_No4.obd";replot;set term X11

8990 icp pg-t_yth0_No4.obj ~/13;conip/speech/draft/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8975 #for check pG and pC_d and errorbars

897 cd ^./socu/2012/12voicedata/allpole/

897 gumplot = 898 gumplot = 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9880 plot [-2:20][-0.1:1.1] "test2_s+d1000_c2_v-2_yth0_No4.dat" using ($1):($27) t "pgd" lt 1, "" using ($1):($27):($27) with yearcrobars t "" pt 6 lt 1, "test2_s+d1000_23_x-2_yth0_No4.dat" using ($1+0.2):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27):($27)
                                                                                                                        C0=TA0:FR0:SA0 papad0.5:0.97 LAR0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 C0=TA0:FR0:SA0 papad0.5:0.97 LAR0
                                                                                                                                                                                                                                                                                                                  C0=TA0:FR0:SA0 pApAd0.5:0.97 LAR0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  iCTO:4/5 mid1v-2 da5 pd0.19400.350
8 tl5 ps0.96300.137:0.010-0.990 LG0.003-0.998 iCL000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.97 LAR0
1.CTO:5/5 mid1v-2 dA0 pd0.01200.033
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8965 #test=test:5:1000:${iCs}:${iCd}:${T}:papadT=papadT:0.5:0.963:50;LaR=LaR:0.5:0:${IA}:ver=ver:-2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    t for ver:-2
8966 #test=test:5:1000:${iCs}:${iCd}:${T}:pApAdT=pApAdT:0.5:0.97:50:LAR=LAR:0.5:0:${nA}:ver=ver:-2;
          8945 L15 pa0.96500.1256:0.10-0.-0.990 LC0.003-0.998 1C1000=TR295:PA705:SR0 C0=TA0:PR0:SA0 PAPAGO.5:0.
5:0.0 1CT0:2/5 midlaty-2 dA445 pa0.65500.386
8946 L15 ps0.96500.125:0.010-0.990 LC0.003-0.998 iC1000=TR563:PA437:SR0 C0=TA0:PR0:SA0 PAPAGO.5:0.9
5:0.0 1CT0:2/5 midlaty-2 dA445 pa0.65500.386
8947 L15 ps0.96500.125:0.010-0.990 LC0.003-0.998 iC1000=TR895:PA5:SR0 C0=TA0:PR0:SA0 PAPAGO.5:0.97
8947 L15 ps0.96700.122:0.010-0.990 LC0.003-0.998 iC1000=TR895:PA5:SR0 C0=TA0:PR0:SA0 PAPAGO.5:0.97
8948 L15 ps0.963700.122:0.010-0.990 LC0.003-0.998 iC1000=TR895:PA5:SR0 C0=TA0:PR0:SA0 PAPAGO.5:0.97
8948 L15 ps0.963700.137:0.010-0.990 LC0.003-0.998 iC1000=TR895:PA5:SR0 C0=TA0:PR0:SA0 PAPAGO.5:0.97
8950.0 LCT0:2/5 midlaty-2 AAA L00.990 LC0.003-0.998 iC100A-maximized
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 echo "#Done 'for $test;$pART;$LAR"
candl='cp tmp/testsd_stat.dat ../12voicedata/allpole/test2_s+d1000_C${C}_v-2_yth0_No${No}.dat"
echo $cmdl; $cmdl;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       $pmin ytm:-1 $PNr $void $gibbs $beta $sdP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cd ~/sotu/2012/12voicedata/allpole/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cmd="speakerdigit_v2 $fs $fd $nSDL
pd0.970U0.115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     echo "#$test;$pART;$LAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                No4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                est for ver:-2 #for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #for No4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   for ver:-2
8967 echc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LAR $test";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8968
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8969
```

R0.5:0:0 iCT0:2/6 midlv-2 dA222 pd0.893U0.088Um0.145Up0.046

```
9031 set xtics (0.6,12,18,24);set ytics (0.0.5,0.965,1.0);set grid 9032 set xtics (0.6,12,18,24);set ytics (0.0.5,0.965,1.0);set grid 9032 set xtics (0.6,12,18,24); rest_s_s=0.0.20; rest_s_s=0.
9013 t18 ps0.015U0.012Um0.004Up0.023LCO.001-0.998 iC1000=TR1000:PR0:SR0 C0=TR0:FR0:SR0 pApado.5:0.954 LAR

5.5:0:0:12T1.0/6 midit-2 dAp80 pd0.98G00.02Um0.049Up0.0044

9014 t18 ps0.983U0.025Um0.060Up0.006LCO.002-0.999 iC1ETR0:PR0:SR0 C1000=TA967:FR33:SA0 pApado.5:0.954 LAR

0.5:0:0 iCT0:0/6 midit-2 dAp87 pd0.986U0.016Um0.039Up0.004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    iC1000=TR148:FA852:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.954 LA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ps0.016U0.015Um0.005Up0.029LC0.002-0.998 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.965 LAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RO.5:0:0 iCT0:1/6 midlv-2 dA852 pd0.968U0.044Um0.089Up0.016
9016 t18 ps0.983U0.025Um0.060Up0.006LCO.002-0.999 iC1000=TR899:FA101:SR0 CO=TA0:FR0:SA0 pApAd0.5:0.954
FO.5:0:0 iCT0:2/6 midlv-2 dA101 pd0.893U0.088Um0.145Up0.046
9017
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9049 t24 ps0.016U0.015Um0.005Up0.029LCO.002-0.998 iC1000=TR1000:FR0.C0=TR0:FR0:SAO .5:01 iC11:0/6 miditv-2 dA984 pd0.897U0.011Um0.026E0p0.002 .9050 t24 ps0.986U0.013Mm0.02E0p0.002 .9050 t24 ps0.986U0.013Mm0.02E0p0.002 .004LCO.0999 iC0=TR0:FAO:SR0 C1000=TA982:FR18:SAO .5:0:01 iCT0:0/6 miditv-2 dA982 pd0.987U0.014Um0.035Up0.003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    iCT0:1/6 midlv-2 da862 pd0.975U0.027Um0.051Up0.011
t24 ps0.985U0.017Um0.036Up0.005LC0.002-0.999 iC1000=TR987:FA13:SR0 C0=TA0:FR0:SA0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             t24 ps0.984U0.017Um0.037Up0.005LC0.002-0.999 iC1000=TR138:FA862:SR0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9054 t24 ps0.016U0.015Um0.005Up0.029LCO.002-0.998 iCl000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        iCT0:2/6 midlv-2 dA21 pd0.902U0.075Um0.122Up0.039
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           t24 ps0.98500.0170m0.0360p0.005LC0.002-0.999 iCl0 iCT0:2/6 midlw-2 dAl3 pd0.90200.0750m0.1220p0.039
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    t18 ps0.983U0.023Um0.050Up0.006LC0.002-0.999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cd ~/sotu/2012/12voicedata/allpole/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #for No5
#for check pG and pG_d and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.5:0:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9015
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9027
9028
9029
9031
9031
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9051
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9052
```

PAPAd0.5:0.96 LAR0

LAR

C0=TA0:FR0:SA0

Page 140

LA

```
papad0.5:0.965
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C0=TA0:FR0:SA0 pApAd0.5:0.965
9055 t24 ps0.986U0.013Um0.025Up0.004LCO.002-0.999 iCO=TRO:FRA0:SRO C1000=TR979:FR21:SAO pApado.5:0.965 0.5:0.965 c2 t20:007 mid.v-2 daA979 pd0.987U0.012Mm0.035Up0.0038 d0.0038 d0.003
```

9666 plot [-2:20][-0.1:1.1] "test2_s+dl000_c2_v-2_yth0_No4.dat" using (\$1):(\$27) t "pgd" lt 1, "" using (\$15.5):(\$27):(\$27-\$29):(\$27-\$29):(\$27): set style data 1 set xtics (0,6,12,18);set ytics (0,0.5,0.962,1.0);set grid #set xtics (0,6,12,18);set ytics (0,0.2,0 9061 #for check 9062 cd ~/sotu 9063 gnuplot 9064 set style 9065 set xtics 9065 set xtics 9066 plot [-2:3

9000 d -/sotu/2012/12voicedata/allpole/
9071 gnuploc
9070 d -/sotu/2012/12voicedata/allpole/
9071 gnuploc
9072 set xrics (0.6.12.18);set yrics (0.0.5.1.0);set grid
9073 set xrics (0.6.12.18);set yrics (0.0.5.1.0);set grid
9073 set xrics (0.6.12.18);set yrics (0.0.5.1.0);set grid
9074 plot [-2.20][-0.11.1.1] "test2_set4000_c2v_2-yrtb0_No4.dat" using (\$1];(\$2.5) t "pd. "using (\$1.0.2);(\$2.5.44);(\$2.45) with yerrorbars t "" pt 4 lt 2
9075 set term tgif set output "pd-t_yrh0.No4.obj" replot/set term X11
9076 icp pd-t_yrh0.No4.obj -/13iconip/speech/draft/
9078 #gnuploc
9079 #set xrics (0.6.12.18.24);set yrics (0.0.2.0.4,0.6.0.8.1.0);
9080 #set xrics (0.1.2.3.4.5.6,7.8.9.10);set yrics (0.0.2.0.4,0.6.0.8.1.0);
9080 #set xrics (0.1.2.3.4.5.6.7.8.9.10);set yrics (0.0.2.0.4.0.6.0.8.1.0);
9081 #plot (-0.5.18.21) -0.2114] "test2_setd1000_c12v-2_yrh0.No2.dat" using (\$1):2 w 1, "" using (\$1):2:3 w errorbars t rept 4 lt 1, "test2_setd1000_c2v-2_yrh0.No2.dat" using (\$1):2 w 1, "" using (\$1):2:3 w errorbars t rept 6 lt 1, 0, 0.5, 1 rest2_setd1000_c2v-2_yrh0.No2.dat" using (\$1):2 w 1, "" using (\$1):2:3 w errorbars t rept 8 lt 1 pse 0.1100.014:0.010-0.310 [C0.0.02-0.999 iC1000=TR00:FR0:SR0 C0=TR0:FR0:SR0 papado.5:0.962 LAR
9081 #tlp pse 0.1100.014:0.010-0.310 [C0.0.02-0.999 iC1000=TR976:FR24:SR0 C0=TR0:FR0:SR0 papado.5:0.962 LAR
9082 tll pse 0.98300.0240.990 pdo.99000.012
9089 tll pse 0.98300.0240.990 pdo.99000.002
90

C0=TA0:FR0:SA0 pApAd0.5:0.97 9090 #Exp3:ymm:1 yth=0

t5 ps0.018U0.069:0.010-0.990 LC0.002-0.998 iC1000=TR997:FA3:SR0 C0=TA0:FR0:SA0 papad0.5:0.97 LAR0.5:

readmecan2mspeech.txt Dec 05 2019 13:52:41

papad0.5:0.97 LAR0.5 0:0 iCT1:0/6 midiv-2 dA957 pd0.963V0.135 9108 tc ps0.963X0.133:0.010-0.990 LC.0.003-0.998 iCO=TR0:FA0:SR0 C1000=TA926:FR74:SA0 :0:0 iCT0:0/6 midiv-2 dA951 pd0.960V0.141

9109 t5 ps0.95500.158:0.010-0.990 LC0.003-0.998 iC834=TR218:FA616:SRO C166=TA156:FR10:SAO PAPAdO.5:0.97 L 910.0 t5 ps0.95500.168:0.010-0.990 LC0.003-0.998 iC834=TR218:FA616:SRO C0=TA05FR10:SAO PAPAdO.5:0.0.97 LARO. 911.0 t5 ps0.95800.146:0.010-0.990 LC0.003-0.998 iC1000=TR491:PA519:SRO C0=TA05FR0:SAO PAPAdO.5:0.97 LARO.5:00 iCT0:2/6 midity-2 dA533 pd0.70900.366

t24 ps0.986U0.013:0.747-0.990 LCO.002-0.999 iCO=TR0:FA0:SR0 C1000=TA975:FR25:SA0 pApAd0.5:0.969 iCT0:0/6 mid1v-2 dA975 pd0.987U0.014 9114

LAR0

LAR0 LAR 9124 9125 L18 ps0.015U0.014:0.010-0.310 LC0.001-0.998 iC10000=TR1000:FA0:SR0 CO=TA0:FR0:SA0 papad0.5:0.963 L 5.0:01 iCT1:0/6 mid1v-2 dA965 pd0.996U0.020 9126 L18 ps0.983U0.021:0.703-0.990 LC0.002-0.999 iC0=TR0:FA0:SR0 C1000=TA958:FR42:SA0 papad0.5:0.963 L 5.0:01 iCTT0:0/6 mid1v-2 dA825 pd0.950U0.01 9127 L18 ps0.983U0.023:0.687-0.990 LC0.002-0.999 iC1000=TR375:FA825:SR0 C0=TA0:FR0:SA0 papad0.5:0.963 9128 L18 ps0.983U0.023:0.760-0.990 LC0.002-0.999 iC1000=TR981:FA19:SR0 C0=TA0:FR0:SA0 papad0.5:0.963 L 9128 L18 ps0.983U0.024:0.760-0.990 LC0.002-0.999 iC1000=TR981:FA19:SR0 C0=TA0:FR0:SA0 papad0.5:0.963 L 5:0:01 iCT0:2/6 mid1v-2 dA40 pd0.895U0.096 9129 L18 ps0.983U0.024:0.563-0.990 LC0.003-0.999 iC1000=TR100:FA0:SR0 C0=TA0:FR0:SA0 papad0.5:0.963 L 9129 L18 ps0.983U0.024:0.563-0.990 LC0.003-0.999 iC1000=TR100:FA0:SR0 C0=TA0:FR0:SA0 papad0.5:0.963 L 9130 9123

iC1000=TR995:FA5:SR0 C0=TA0:FR0:SA0 papad0.5:0.97 LAR0.5 t18 ps0.983U0.023:0.697-0.990 LC0.002-0.999 iC1000-TR224:FA776:SR0 C0=TA0:FR0:SA0 papado.5:0.97 LAR0 LC0.003-0.999 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.97 LAR0. 9131 t18 ps0.015UO.014:0.010-0.310 LCO.001-0.998 iC1000=TR1000:FAO:SRO CO=TAO:FRO:SAO pApAdO.5:0.97 1 5:0:0 iCTI:0/6 midlv-2 dA950 pd0.986UO.020 9:13 t L8 ps0.983UO.021:0.773-0.990 LCO.002-0.999 iCO=TRO:PAO:SRO C1000=TA947:FR53:SAO pApAdO.5:0.97 L 5:0:0 iCTO:0/6 midlv-2 dA947 pd0.986UO.010 .5:0:0 icT0:1/6 midlv-2 da776 pd0.97000.042 9134 t18 ps0.98300.021:0.760-0.990 Lc0.002-0.999 :0:0:0:cT0:2/6 midlv-2 da5 pd0.89500.096 9135 t18 ps0.98300.024:0.563-0.990 Lc0.003-0.999 5:0:0 icT0:3/6 midlv-2 da0 pd0.64200.127 9136

~/sotu/2012/12voicedata/allpole/ #for check pGd for 1,5/6, 4/6 set style data lp set style data l gnuplot g 9137 9138 9139 9140 9141

9142 plot [-0.5:10.5][-0.1:1.1] "test2_s-d1000_C2_v-2_No4.dat" using 1:(\$27) t "pgd" lt 2, "" using 1:27: awarronbass, "test2_s-d41000_C3_v-2_No4.dat" using (\$1+0.1):(\$27) t "pgd" lt 2, "" using (\$1+0.1):77:8 w errorbass, "test2_s-d41000_C3_v-2_No4.dat" using (\$1+0.2):(\$27) t "pgd" lt 2, "" using (\$1+0.2):77:28 w errorbass, "test2_s-d41000_C4_v-2_No4.dat" using (\$1+0.2):(\$27) t "pgd" lt 2, "" using (\$1+0.2):77:28 w err orbars ,0.97 9143

9144 set xtics (0,1.2,3,4.5,6,7,8.9,10);set ytics (0,0.2,0.4,0.6,0.8,1.0);
9145 plot [-0.5:10.5][0.1:1.1] "test2_s+d1000_c2_v-2_No4.dat" using 1:(\$13*0.001) t "R. It 1, "" using 1:(\$14*0.001) t "R. It 1, "" using 1:(\$15*0.001) t "R. It 1, "" using 1:(\$15*0.001) t "R. It 1, "" using 1:(\$14*0.001) t "R. It 2, "test2_s +d1000_c2_v-2_bayes_No4.dat" using 1:(\$13*0.001) t "R. It 2, " using 1:(\$14*0.001) t "R. It 2, "test2_s+d1000_c2_v-2_yth0_ko4.dat" using 1:(\$14*0.001) t "R. It 3, "" using 1:(\$15*0.001) t "R. It 3, "" using 1:(\$25*0.001) t "R. It 3, "" using 1:(\$15*0.001) t "R. It 3, "" using 1:(\$25*0.001) t

set term tgif;set output "ARS-t-2.obj";replot;set term X11 lcp ARS-t-2.obj $^{\sim}/13iconip/speech/draft/$ 9148 9149 9150 9151

########################## #for No2 cd ../12voicedata/allpole/

using 1:2 w l, "" using 1:2:3 w er w l, "" using (\$1):2:3 w errorbars 9158 #ser xizs (0,5,10,15,20);set ytics (0,0.2,0.4,0.6,0.8,1.0);
9159 plot [-0.5:0.11.2,3.4.5,6.7.8,9.10);set ytics (0,0.2,0.4,0.6,0.8,1.0);
9159 plot [-0.5:20.5][-0.2:1.4] "test2_s+d1000_C1_v-2_yth0_No2.dat" using 1:2
bars t " pt 4 Lt 1, "test2_s+d1000_C2_v-2_yth0_No2.dat" using (\$1):2 w 1, "" us
pt 6 Lt 1, "0, 0.5, 1
pt 6 Lt 1, "0, 0.5, 1
9160 set term tgifiset output "test2 s.4110.0."

```
#NO=17T=5;nA=17for C in 1 2 3 4 5 6 7; do
(1)t5 0.021U0.044:0.010-0.345 LC0.002-0.998 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pAR0.5:0.5 LAR0.
0:0 iCT0:3/5 mid1v-2 dAl pd0.368U0.172
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   if [ "$T" = "10"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  echo $cmd;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cmd="cp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           gnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            echo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    set
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "" pt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  er:-2
9247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9271
                                                                                                                                                                                                                                                                                                          9212
9213
9214
9215
9216
9217
9219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9263
9264
9265
9266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                r:-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     :-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9202 £20 ps0,98340.035:0.552-0.990 LCG.002-0.999 iCI000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.97 LARO.
9202 £20 ps0,98340.005:0.552-0.990 LCG.002-0.999 iCI000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.97 LARO.
9203 £20 ps0,98200.033:0.398-0.990 LCG.002-0.999 iCI000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.97 LARO.
9204 £5 ps0.2000:044:0.010-0.458 LCC.002-0.999 iCI000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.97 LARO.5
9205 £5 ps0.2000:044:0.010-0.458 LCC.002-0.999 iCI000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.97 LARO.5
9205 £5 ps0.26500:081:0.072-0.990 LCC.002-0.999 iCI000=TR590:FA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.97 LARO.5
9205 £5 ps0.96500:079:0.092-0.990 LCC.002-0.999 iCI000=TR590:FA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.97 LARO.5
9206 £5 ps0.96500:079:0.081:072-0.990 LCC.002-0.999 iCI000=TR590:FA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.97 LARO.5
9206 £5 ps0.96500:078:00.081:078:00.082-0.999 iCI0000=TR599:FA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.97 LARO.5
9207 £5 ps0.96500:068:0.4441.0490 LCC.002-0.999 iCI0000=TR995:FA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.97 LARO.5:090 iCCT0:1/5 mid1v-2 dAs pa0.74500:202
9208 £5 ps0.96500:0106:0.079:0.002-0.999 iCI0000=TR995:FA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.97 LARO.5:090 iCCT0:1/5 mid1v-2 dAs pa0.74500:202
                                                                                                                                                                                                                                                                                         9165 E D PSO 98300.023:0.589-0.990 LCO.002-0.999 iCO=TRO:FRO:SRO C1000=TRA972:FR28:SRO PAPAGO.5:0.966 LARO 9.65:0.966 LARO 9.65:0.960 LARO 9.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9190 t20 ps0.01600.016:0.010-0.222 LC0.001-0.998 iC10000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.963 LARO 1.01:0.01 midly-2 dA971 pd0.98700.014  
919.1 t20 ps0.03300.023:0.589-0.990 LC0.002-0.999 iC0=TR0:FA0:SR0 C1000=TA978:FR22:SA0 pApAd0.5:0.963 LARO 1.910 iCT0:0/5 midly-2 dA978 pd0.98700.011  
919.2 t20 ps0.99400.016:0.757-0.999 LC0.002-0.999 iC10000=TR262:FA738:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.963 LAR 0.5:0:0 iCT0:1/5 midly-2 dA788 pd0.96400.044  
919.3 t20 ps0.98300.026:0.552-0.990 LC0.002-0.999 iC10000=TR262:FA738:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.963 LARO 919.3 t20 ps0.98300.026:0.552-0.990 LC0.002-0.999 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.963 LARO 919.4 t20 ps0.98300.036:0.963 LO.002-0.999 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.963 LARO 919.4 t20 ps0.98200.03:0.398-0.999 IC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 PAPAAd0.5:0.963 LARO 5:0.963 LARO 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9179 E20 ps6.29400.016:0.757-0.999 LC0.002-0.999 iC1000=TR273:FA727:SR0 C0=TA0:FR0:SA0 papado.5:0.965 LAR 0.5:001 (20170:1.15 midla/LV-2 dA727-0.999 LC0.004-0.999 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 papado.5:0.965 LAR 0.5180 t.20 ps6.98300.026:0.552-0.999 LC0.002-0.999 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 papado.5:0.965 LAR0 0.5:0.0 iCT0:215 midla/L-2 dA0 pd6.82300.116 CC.002-0.999 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 papado.5:0.965 LAR0 0.5:0.965 LAR0 pd6.39900.107 (20170:315 midla/L-2 dA0 pd6.39900.107 (20170:315 mid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9186 F20 ps0.99400.016:0.757-0.999 LC0.002-0.999 iC1000-TR267:F94733:SRO C0=TA0:FRO:SA0 papado.5:0.964 LAR 0.510: LCT0:1/F mid1A-2 dA73 ap do.96400.044 e. 0.510: LCT0:1/F mid1A-2 dA73 ap do.96400.044 e. 0.510: LCT0:1/F mid1A-2 dA73 ap do.96400.044 e. 0.500 LCC.002-0.999 iC1000-TR1000:FA0:SRO C0=TA0:FRO:SA0 papado.5:0.964 LAR0 9187 E.0 ps0.989200.033:0.398 0.990 LCC.002-0.999 iC1000-TR1000:FA0:SRO C0=TA0:FRO:SAO papado.5:0.964 LAR0 9188 E.20 ps0.98200.033:0.398 0.990 LCC.002-0.999 iC1000-TR1000:FA0:SRO C0=TA0:FRO:SAO papado.5:0.964 LAR0 5:0:0 LCT0:3/S mid1A-2 dA0 pa0.39900.107
                                                                      #PAPAA0 5:0.966
t20 ps0.016U0.016:0.010-0.222 LC0.001-0.998 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 PAPAA0.5:0.966 LAR0
iCT1:0/5 midiv-2 dA967 pd0.98700.014
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9176 #0.965
9177 t20 ps0.01600.016:0.010-0.222 LC0.001-0.998 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.965 LAR0
5.5:00 iCTI:0/5 mid1v-2 dA968 pd0.98700.014
9178 t20 ps0.98300.023:0.589-0.990 LC0.002-0.999 iC0=TR0:FA0:SR0 C1000=TA973:FR27:SA0 pApAd0.5:0.965 LAR0
5.0:0 iCT0:0/5 mid1v-2 dA973 pd0.98700.011
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9184 t20 ps0.016U0.016:0.010-0.222 LCO.001-0.998 iC1000=TR1000:FA0:SR0 CO=TA0:FR0:SA0 pApAd0.5:0.964 LAR0 b.05:01 iCTT:0/5 midity-2 dAx69 pd1.9870v0.014 9185 t.20 ps0.983U0.023:0.589-0.990 LCO.002-0.999 iCO=TR0:FA0:SR0 C1000=TA974:FR26:SA0 pApAd0.5:0.964 LAR0 s.5:0:0 iCT0:0/5 midity-2 dAx74 pd0.9870v0.011
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9201 t20 ps0.984U0.016:0.757-0.990 LCC.002-0.999 iC1000=TR319:FA681:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.97 LAR0.5:0:0 iCT0:1/5 midlv-2 dA681 pd0.964U0.044
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9199 t20 ps0.016U0.016:0.010-0.222 LCO.001-0.998 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.97 LAR0.5:0.0 iCTI:0/5 midlv-2 dA963 pd0.987U0.014 co.002-0.998 iC1000=TR00:SR0 C0=TA0:FR0:SA0 pApAd0.5:0.97 LAR0.5:0.0 ps0.983D0.023:0.5890-0.990 LCO.002-0.999 iC0=TR0:FA0:SR0 C1000=TA959:FR41:SA0 pApAd0.5:0.97 LAR0.5:0.0 iCT0:0/5 midlv-2 dA959 pd0.987U0.011 co.007 co
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #0.967
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9170
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9189
```

9221 speakerdigit_v2 fd:../12voicedata/allpole/oob4d:-1N40mbas2:300:1.6:1.y nSDL:7:10:10 pmin:0.01 ytm:1: 99:10 LAR:0.5:0:0 test:5:1000:0:0:5 9222 #new uncertainty k=1.65 ---> k=1(means standard deviation) papadT=papadT:<pa>>-<pa>cpa for <pa>cpA>=accept_prob, for speaker (conventional pR=pA)
cpAd>=accept_prob for digits, 2013/05/26 for iconip2013 #new pART: <T>=decision_time

test=test:5:1000:\${ics}:\${icd}:\${T}:parT=parT:0.5:0.5:10:LaR=LaR:0.5:0:\${na}:ver=ver:-2; #best for v on 2013/02/27 ["\$C" = "1"]; then iCs=1; iCd=0; fi ["\$C" = "3"]; then iCs=0; iCd=1; fi ["\$C" = "4"]; then iCs=0; iCd=1; fi ["\$C" = "6"]; then iCs=0; iCd=2; fi ["\$C" = "6"]; then iCs=0; iCd=4; fi ["\$C" = "6"]; then iCs=0; iCd=4; fi No=1,T=5;nA=1,for C in 1 2 3 4 5 6 7; do #No=2,T=5;nA=0,for C in 1 2 3 4 5 6 7; do #No=3,T=10;nA=0;for C in 2; do 2013/05/20 for iconip2013

ver #test=test:5:1000:\${ics}:\$par=par=par=par=07:0.15:10;Lar=Lar:0.7:0.000:1;ver=ver:-2; #best for ver #best for #test=test:5:1000:\${iCs}:\${iCd}:5:parT=parT:0.6:0.1:10;LaR=LaR:0.7:0.000:1;ver=ver:-2;

"#Done for \$test;\$pART;\$LAR" 'cp tmp/testsd_stat.dat ../12voicedata/allpole/test_s+d1000_C\${C}_v-2_No\${No}.dat" cmd="speakerdigit_v \$fs \$fd \$nSDL \$pmin \$ytm \$PNr \$void \$gibbs \$beta \$sdP]; then LAR=LAR:0.5:0:2; fi "#\$test;\$pART;\$LAR echo \$cmd; \$cmd;

\$1T \$sdT \$ver \$parT \$Lar \$

set_xtics (0,1,2,3,4,5,6,7,8,9,10);set ytics (0,0.2,0.4,0.6,0.8,1.0);
plot [-0.5:10.5][-0.2:1.4] "test_s+d1000_C1_v-2_No2.dat" using 1:2 w 1, "" using 1:2:3 w errorbars t ../l2voicedata/allpole/

"test_s+d1000_C2_v-2_No2.dat" using (\$1):2 w 1, "" using (\$1):2:3 w errorbars t "" pt 6 lt 1, 0, term tgif/set output "test_s+d1000-gibbs_No2.obj":replot test_s+d1000-gibbs_No2.obj ~/13iconip/speech/draft/ !cp test_s+d1000-gibb
for change of TP 9267 (1)t5 0.021UO.044:0.010-0.345 LCO.002-0.998 iC10000=TR1000:FA0:SR0 C0=TA0:FR0:SR0 pAR0.5:0.5 LAR0.5:0.1 iCT1:0/5 mid1V-2 dA967 9268 (2)t5 0.050 (2)t5 0.050 (2)t5 0.050 LCO.003-0.998 iC0=TR0:FA0:SR0 C1000=TA951:FR10:SA39 pAR0.5:0.5 LAR0 iCT0:0/5 mid1V-2 dA961
9269 (3)t5 0.90 961UO.142:0.069-0.990 LCO.003-0.998 iC0=TR0:FA0:SR0 C1000=TA951:FR10:SA39 pAR0.5:0.5 LAR0 iCT0:0/5 mid1V-2 dA961 (5)t5 0.960U0.146:0.040-0.990 LC0.003-0.998 iC1000=TR0:FR2:SR998 CO=TR0:FR0:SA0 pAR0.5:0.5 LAR0.5 .5:0:1 icT0:1/5 mid1v-2 da870 270 (4)t5 cpo.95600.163:0.062-0.990 LC0.003-0.998 iC1000=TR4:FA23:SR973 C0=TA0:FR0:SA0 pAR0.5:0.5 LAR0. 5:0:1 iCT0:2/5 mid1v-2 da27

:0:1 iCT0:3/5 midlw-2 dA2 9272 (6)t5 cpsc.95200.167:0.101-0.990 LC0.003-0.998 iC10006=TR0:FA0:SR1000 C0=TA0:FR0:SA0 pAR0.5:0.5 LAR0. 5:0:1 iCT0:4/5 midlw-2 dA0 9273 (7)t5 cpsc.95370.169:0.053-0.990 LC0.003-0.998 iC10006=TR0:FA0:SR1000 C0=TA0:FR0:SA0 pAR0.5:0.5 LAR0.

iCT0:5/5 midlv-2

```
0 icr1:0/5 mid1v-2 dA963
3294 L1 cpp.0.68040.491:0.010-0.823 LCO.003-0.998 iCO=TRO:FA0:SRO C1000=TA811:FR139:SA50 PARO.5:0.5 LARO.5
3294 L1 cpp.0.66040.493:0.010-0.823 LCO.003-0.998 iC218=TR6:FA0:SR212 C782=TA629:FR119:SA34 PARO.5:0.5 LAR
9295 L1 cpp.0.66600.493:0.010-0.823 LCO.003-0.998 iC392=TR6:FA1:SR385 C608=TA899:FR98:SA31 PARO.5:0.5 LAR
9296 L1 cpp.0.665U0.496:0.010-0.823 LCO.003-0.998 iC392=TR6:FA1:SR385 C608=TA899:FR98:SA21 PARO.5:0.5 LARO
5:0:0 iCT0:2/5 mid1v-2 dA594
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5.000 icT0:5/5 midlv-2 dA0
9.291 t10 cp.0.97300.105:0.172-0.990 LC0.003-0.998 iCO=TR0:FA0:SR0 C1000=TA759:FR1:SA240 pAR0.5:0.5 LAR0.5:0.0 icT0:0/5 midlv-2 dA760
9.291 t10 cp.0.97300.105:0.172-0.990 LC0.003-0.998 iCO=TR0:FA0:SR0 C1000=TA759:FR1:SA240 pAR0.5:0.5 LAR0.5
9.292
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     :0:11iCTO:0/5 midlu-2 dA961
3907 #E:0 = CPO:001.42:0.069-0.990 LCO.003-0.998 iCO=TRO:PAO:SRO C1000=TA866:FR4:SA130 pARO.5:0.5 LARO.5:0.1 iCTO:11/5 midlu-2 dA870
9308 #E5 cpo:095600.163:0.062-0.990 LCO.003-0.998 iC1000=TR4:FPA23:SR973 CO=TA0:FR0:SA0 pARO.5:0.5 LARO.5:0.5 LARO.5:0.1 iCTO:27/5 midlu-2 dA27
9309 #E5 cpo:0210:044:0.010-0.345 LCO.002-0.998 iC1000=TR1000:PA0:SR0 CO=TA0:FR0:SA0 pARO.5:0.5 LARO.5:0.1 iCTI:0/5 midlu-2 dA27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9311 ##No=27T=5;nA=0;pA=pR=LA=0.5

9312 #t5 cp>0.000.153:0.072-0.990 LC0.003-0.998 iC0=TR0:FA0:SR0 C1000=TA831:FR8:SA161 pAR0.5:0.5 LAR0.5
:0.0 icT0:0.05 mid1v-2 dA839 small dA NG?
9313 #t5 cp>0.961U0.142:0.069-0.990 LC0.003-0.998 iC1000=TR1:FA16:SR983 C0=TA0:FR0:SA0 pAR0.5:0.5 LAR0.5:0.0 iCT0:1/5 mid1v-2 dA17
                                                       5 midlv-2 da907
0973U0.105:0.172-0.990 LC0.003-0.998 iC0=TR0:FA0:SR0 C1000=TA878:FR1:SA121 pAR0.5:0.5 LAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9283 #No=2/T=5;nA=0;pA=pR=LA=0.5,gibbs
9284 (1)15 cpro.02100.044:0.010-0.345 LC0.002-0.998 iC10000=TR1000:FA0:SR0 CO=TA0:FR0:SA0 pAR0.5:0.5 LAR0.
5.0:0 iCT1:0/5 midlv-2 dA838
9285 (2)15 cpro.96000.153:0.72-0.990 LC0.003-0.998 iC0=TR0:FA0:SR0 C1000=TA831:FR8:SA161 pAR0.5:0.5 LAR0.5:0.0 iCT0:0/5 midlv-2 dA839
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 <0.96000.153:0.072-0.990 LC0.003-0.998 iCO=TR0:FA0:SR0 C1000=TA951:FR10:SA39 pAR0.5:0.5 LAR0.5</p>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9314 #t5 9314 #t5 930.95600.163:0.062-0.990 LC0.003-0.998 iC1000=TR1:PA0:SR999 CO=TA0:FR0:SR0 PAR0.5:0.5 LAR0.5:0
9315 midlv-2 dA1
9315 #t5 9315 #t6 93202100.044:0.010-0.345 LC0.002-0.998 iC1000=TR1000:FA0:SR0 CO=TA0:FR0:SR0 PAR0.5:0.5 LAR0.5:
0:0 iCT1:0/5 midlv-2 dA38
                                                                                                                                                                                                          (4)tl0 0.974U0.081:0.381-0.990 LC0.003-0.998 iC10000=TR0:FA0:SR1000 C0=TA0:FR0:SA0 pAR0.5:0.5 LAR0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               t1 0.683U0.469:0.010-0.823 LC0.003-0.998 iC602=TR6:FA4:SR592 C398=TA329:FR54:SA15 pAR0.5:0.5 LAR0
                                                                                                                                                                                                                                                                                                                                                                                                                          LC0.003-0.998 iC1000=TR0:FA0:SR1000 C0=TA0:FR0:SA0 pAR0.5:0.5 LAR0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (7)t10 20.973U0.092:0.144-0.990 LC0.003-0.998 LC1000-TR0:FA0:SR1000 C0=TA0:FR0:SA0 pAR0.5:0.5 LAR0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9293 tl 0.012U0.042:0.010-0.795 LC0.002-0.997 iC1000=TR999:FA1:SR0 C0=TA0:FR0:SA0 pAR0.5:0.5 LAR0.5:0:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (7)t5 0.953U0.169:0.053-0.990 LC0.003-0.998 iC1000=TR0:FA0:SR1000 C0=TA0:FR0:SA0 pAR0.5:0.5 LAR0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9318 #t10 p>0.97300.105:0.172-0.990 LC0.003-0.998 iC0=TR0:FA0:SR0 C1000=TA759:FR1:SA240 pAR0.5:0.5 LAR0
5:0:0 iCT0:0/5 midlw-2 dA760 smaller-dA NG
                                                                                                                                                                                                                                                     5.01. (CT0.1/5 midly-2 dA22
9.278 (4)tl0 cp>0.9740.081:0.381-0.990 LCO.003-0.998 iC1000=TR0:FR0:SR1000 CO=TR0:FR0:SR0 pARO.5:0.5
9.279 (5)tl0 cp>0.97600.088:0.601-0.990 LCO.003-0.998 iC1000=TR0:FR0:SR1000 CO=TR0:FR0:SR0 pARO.5:0.5
9.279 (5)tl0 cp>0.97600.088:0.601-0.990 LCO.003-0.998 iC1000=TR0:FR0:SR1000 CO=TR0:FR0:SR0 pARO.5:0.5
9.279 (5)tl0 cp>0.97600.098:0.308-0.990 LCO.003-0.998 iC1000=TR0:FR0:SR1000 CO=TR0:FR0:SR0 pARO.5:0.5
9.280 (6)tl0 cp>0.97200.095:0.388-0.990 LCO.003-0.998 iC1000=TR0:FR0:SR1000 CO=TR0:FR0:SR0 pARO.5:0.5
9.281 (7)tl0 cp>0.97300.092:0.144-0.990 LCO.003-0.998 iC1000=TR0:FR0:SR1000 CO=TR0:FR0:SR0 pARO.5:0.5
9.281 (7)tl0 cp>0.97300.092:0.144-0.990 LCO.003-0.998 iC1000=TR0:FR0:SR0 CO=TR0:FR0:SR0 pARO.5:0.5
9.282 (7)tl0 cp>0.97300.092:0.144-0.990 LCO.003-0.998 iC1000=TR0:FR0:FR0:SR0 pARO.5:0.5
            C0=TA0:FR0:SA0
LC0.002-0.859 iC1000=TR1000:FA0:SR0
      <0.02000.030:0.010-0.222</p>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ##No1;T=5;nA=1;pA=pR=LA=0.5
                                                                                                        9276 (2)tl0 0.973U0.105:(
0.5:0:1 iCTO:0/5 midlv-2 dA879
9277 (3)tl0 0.977U0.065:(
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .5:0:0 iCT0:3/5 midlv-2 dA393
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5:0:0 iCT0:4/5 midlv-2 dA0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9310 #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9303
9304
9305
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9297
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9306
```

9321 #tl0 midtl-2 dAs68

Dec 05 2019 13:52:41 **readmecan2mspeech.txt**

```
1.905 2.857 2.000 -0.155 ml
1.905 4.286 2.143 -0.845 ml
1.905 4.286 2.143 -0.853 ml
1.905 4.286 2.143 -0.853 ml
1.905 4.286 2.143 -0.853 ml
1.905 4.286 0.027 m4
1.905 5.714 2.286 -0.857 -0.900 mb
1.905 5.714 2.286 -0.857 0.000 mb
1.905 5.714 2.286 -0.859 ml
1.905 5.714 2.286 -0.859 ml
1.905 2.857 2.000 -0.659 ml
1.905 2.857 2.000 -0.659 ml
1.905 2.857 2.000 1.429 -0.800 ml
1.905 7.13 -0.859 ml
1.905 2.857 2.000 1.429 -0.800 ml
1.905 2.857 2.000 1.429 -0.800 ml
                                                                                                                                                                10 midlw-2 da44
-po.02000.030:0.010-0.222 LC0.002-0.859 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 paR0.5:0.5 LAR0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   if [ "$C" = "7" ]; then iCs=0; iCd=5; fi
test=test:5:1000:${in};ver=ver:-2; #best for v
                                                                                                                              #t10 0.973U0.107:0.251-0.990 LC0.003-0.998 iC1000=TR0:FA44:SR956 C0=TA0:FR0:SA0 pAR0.5:0.5 LAR0.5
                                                                                                                                                                                                                                                                                                                                                                                                                       LAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9330 #(2)t5 sp0.96100_142:0.069-0.990 LC0.003-0.998 iCO=TRO:FA0:SRO C1000=TA850:FR0:SA150 pAR0.7:0.15 LA R0.7:0:1 iCT0:1/5 mid1v-2 dA863 PA863 P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #t10 0.973U0.105:0.172-0.990 LC0.003-0.998 iC0=TR0:FA0:SR0 C1000=TA866:FR0:SA134 pAR0.8:0.15 LAR0 iCT0:0/5 midiv-2 dA872
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           <FN>=0.0371429+-0.0145304 TotalUncertainty+-0.0106289(k1.65) <ERR>=0.05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #test=test:5:1000:${icg}:${icd}:5:paRT=paRT:0.5:0.5:10;LaR=LaR:0.5:0.000:1;ver=ver:-2; #best for ver
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #test=test:5:1000:${ics}:${icd}:5:parT=parT:0.7:.1:10;Lar=Lar:0.7:0.000:1;ver=ver:-2; #best for ver:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #test=test:5:1000:${ics}:$cd:5:parT=parT:0.5:.008:10;Lar=Lar:0.7:0.000:1;ver=ver:-2; #best for ver
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #best for ver:
                                 9323 #t10 cp>0.978U0.055:0.593-0.990 LC0.003-0.998 iC0=TR0:FA0:SR0 C1000=TA803:FR0:SA197 pAR0.5:0.5 LAR0.
5:0:2 iCT0:2/10 midlav-2 dA803
                                                                                                                                                                                                                                                                                                                                                                                          9329 #(1)t5 0.960U0.153:0.072-0.990 LCO.003-0.998 iCO=TRO:FA0:SR0 C1000=TA937:FR2:SA61 pAR0.7:0.15 0.7:0.1 iCTO:0/5 midity-2 dA957
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.7:011 icro:2/5 midlv-2 da19
9332 #(4)t5 cp>0.021U0.044:0.010-0.345 LC0.002-0.998 iC1000=TR995:FA0:SR5 C0=TA0:FR0:SA0 pAR0.7:0.15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               icdTO(AlROS1) ?
icdTO(A2ROS1) ;
icdTI(A2ROS2) x
icdTI(A2ROS3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 icdT0(A2R0S0)
icdT0(A3R0S0)
icdT1(A3R0S1)
icdT1(A4R0S1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #test=test:5:1000:${iCa}:${iCd}:5:parT=parT:0.6:.1:10;Lar=Lar:0.7:0.000:1;ver=ver:-2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1144
1144
1144
1144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        sdP4:3 sdT4:3 l'sdP4:2 sdT4:2 l'sdP4:4 sdT4:4 l'sdP4:5 sdT4:7 l'sdP4:2 sdT4:2 l'sdP4:2 l'sdP4:2 sdT4:2 l'sdP4:2 l'sdP4:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #bayesでは分散が大きく、バラつく
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        involving void=m7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            f [ '%c" = "1" ]; then ics=1; icd=0 fil
f [ '%c" = "2" ]; then ics=0; icd=0; fil
f [ '%c" = "4" ]; then ics=0; icd=2; fil
f [ '%c" = "5" ]; then ics=0; icd=2; fil
f [ '%c" = "6" ]; then ics=0; icd=3; fil
f [ '%c" = "6" ]; then ics=0; icd=3; fil
f [ '%c" = "7" ]; then ics=0; icd=3; fil
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #No=1;T=5;nA=1;#for C in 1 2 3 4 5 6 7; do
No=2;T=5;nA=0;for C in 1 2 3 4 5 6 7; do
#No=3;T=10;nA=1;for C in 1 2 3 4 5; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           %
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ##!Brror Rate: FP FN ER yth [% 6.000 2.000 5.439 0.089 m0 6.000 4.000 5.144 -0.900 m1 6.000 5.000 5.857 -0.855 m2 6.000 3.000 5.857 -0.855 m2 6.000 3.000 5.857 -0.842 m4 6.000 3.000 5.714 -0.610 m5 6.000 4.000 5.714 -0.61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     gibbs=gibbs:0; ==bayes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            for (2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ##tmp/testd.dat for (2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .7:0:1 iCT1:0/5 midlv-2 dA967
                                                                                                                                            :0:2 iCTO:3/10 midlu-2 dA970

:0:2 iCTO:3/10 midlu-2 dA44

9325 #t10 cp>0.02000,030:0
:0:2 iCTI:0/10 midlu-2 dA970
9326 #
:0:2 iCT0:1/10 midlv-2 dA910
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ##tmp/testd.dat
                                                                                                                                                                                                                                                                                                                                                                                ##Table 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9328
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9334
9335
9335
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               er:-2
9385
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9387
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9374
9375
9376
9377
9377
9377
9381
9381
9382
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9388
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9333
```

Dec 05 2019 13:52:41

plot [-0.5:10.5][-0.2:1.4] "test_s+dl000_c1_v-2-yth0_N02.dat" using 1:2 w 1, "" using 1:2:3 w errorb #Exp3.No=2:T=5;nA=0;pA=pR=LA=0.5, bayes, yth=0 (1)t5 cp>0.1800.075:0.010-0.888 LC0.002-0.999 iC1000=TR999:PA1:SR0 C0=TA0:FR0:SA0 pAR0.5:0.5 LAR0.5 (2)t5 0.962U0.158:0.185-0.990 LC0.002-0.999 iC0=TR0:FA0:SR0 C1000=TA773:FR3:SA224 pAR0.5:0.5 LAR0 9463 (3)t5 cp>0.964U0.144:0.089-0.990 LCO.002-0.999 iC1000=TR1:FA13:SR986 CO=TR0:FR0:SA0 pARO.5:0.5 LARO.
sto.0 icT0.1/5 midlat-2 dA14
9464 (4)t5 cp>0.990 LCO.002-0.999 iC1000=TR0:FA0:SR1000 CO=TR0:FR0:SA0 pARO.5:0.5 LARO.
5:0:0 iCT0:2/5 midlat-2 dA0 "test_s+d1000_C2_v-2-yth0_No2.dat" using 1:2 w 1, "" using 1:2:3 w errorbars t "" pt 6 1t 1, 0, 0.5, 9465 (5)t5 0.965U0.148:0.025-0.990 LC0.002-0.999 iC1000=TR0:FA0:SR1000 C0=TA0:FR0:SA0 pAR0.5:0.5 LAR0. set xtics (0,1,2,3,4,5,6,7,8,9,10);set ytics (0,0.2,0.4,0.6,0.8,1.0); "test_s+d1000-yth0_No2.obj";replot set term tgif:set output "test_s+d1000-yth0_No2.obj";r
!cp test_s+d1000-yth0_No2.obj ~/13iconip/speech/draft/ .5:0:0 iCT0:0/5 midlv-2 dA776 5:0:0 iCT0:3/5 midlv-2 dA0

9471 t5 9471 t5 950.96200.158:0.185-0.990 LC0.002-0.999 iCO=TR0:FR0:SR0 C1000=TA928:FR4:SA68 pAR0.5:0.5 LAR0.5:0 11 iCT0:0/5 midlv-2 dA932 9472 t5 950.96400.144:0.089-0.990 LC0.002-0.999 iCO=TR0:FR0:SR0 C1000=TA814:FR3:SA183 pAR0.5:0.5 LAR0.5:0.75 t5 c5 c5 c6100.150:0.089-0.990 LC0.002-0.999 iC1000=TR2:FA24:SR974 C0=TA0:FR0:SA0 pAR0.5:0.5 LAR0.5:0 :1 iCT0:2/5 mid1v-2 da36
9474 t5 cp>0.01800.075:0.010-0.888 LC0.002-0.999 iC1000=TR999:FA1:SR0 C0=TA0:FR0:SA0 paR0.5:0.5 LAR0.5:0
1 cT1:0/5 mid1v-2 dA943
1 cT1:0/5 mid1v-2 dA943
9475

##!Error Rate: FP FN ER yth [%] involving void=ml0. 1.000 7.143 1.571 0.000 m0 1.000 5.714 1.143 0.000 ml

1.270 11.439 2.286 0.000 m3 1.111 5.714 1.571 0.000 m3 2.063 5.714 2.429 0.000 m4 1.000 10.000 1.000 0.000 m5 1.000 10.000 1.439 0.000 m6 1.000 1.439 0.000 m8 1.000 1.439 0.000 m8 1.000 1.439 0.000 m9 1.000 1.439 0.000 m9 #<PP>=0.00952381(+-0.00738646) <FN>=0.0714286+-0.0447236 TotalUncertainty+-0.0320528(K1.65)

ERR>=0.

Ęij.

9514 9515 9516 9517

```
set term tgif;set
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .7:0:1 iCT0:1/5 midlv-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7:0:1 iCT0:2/5 midlv-2 9591
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                done; done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    gnuplot
               0.7, 0.15,1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9624 echo
9625 echo
9626 echo
9627 echo
9628 done
9633 cd .
9631 gnup
9632 plot
9633 ltes
1t 1, 6 et,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9621
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9622
9623
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9617
9618
9619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  $test";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9531 plot [-0.5:10.5]*test_s+d1000_c2_v-2_No2.dat" using 1:($13*0.1) t "A" pt 6 lt 1, "" using 1:($14*0.1) t "R" pt 6 lt 1, "" using 1:($15*0.1) t "A" pt 6 lt 1, "" using 1:($25*0.1) t "A" pt 1 t 2, "test_s+d1000 c2_v-2_bayes_No2.dat" using 1:($14*0.1) t "A" pt 8 lt 1, "" using 1:($14*0.1) t "R" pt 8 lt 1, "" using 1:($14*0.1) t "R" pt 8 lt 1, "" using 1:($14*0.1) t "R" pt 8 lt 1, "" using 1:($14*0.1) t "R" pt 8 lt 1, "" using 1:($14*0.1) t "R" pt 8 lt 1, "" using 1:($14*0.1) t "R" pt 8 lt 1, "" using 1:($14*0.1) t "R" pt 10 lt 1, "" using 1:($15*0.1) t "R" pt 10 lt 1, "" using 1:($15*0.1) t "R" pt 10 lt 1, "" using 1:($15*0.1) t "R" pt 10 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*0.1) t "AD" w 1 lt 2 lt 1, "" using 1:($15*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9538 plot [-0.5:10.5] "test_s+d1000_c2_v-2_gibbs1_No4.dat" using 1:($13*0.1) t "a" pt 7 lt 1, "" using 1:($14*0.1) t "a" pt 7 lt 1, "" using 1:($15*0.1) t "s" pt 7 lt 1, "" test_s+d1000_c2_v-2_gibbs0_No4.dat" using 1:($14*0.1) t "R" pt 8 lt 1, "" using 1:($14*0.1) t "R" pt 8 lt 1, "" using 1:($14*0.1) t "R" pt 8 lt 1, "" using 1:($14*0.1) t "R" pt 8 lt 1, "" using 1:($15*0.1) t "S" pt 10 lt 1, "" using 1:($15*0.1) t "S" pt 10 lt 1, "" using 1:($15*0.1) t "S" pt 10 lt 1, "" 9539 set term tgif:set output "ARS-t-0.obj",replot;set term X11 9540 icp ARS-t-0.obj ~/13ionip/speech/draft/
                                                                                                                                                                                                                                                                                                                                       Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                $LA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  for ics in 0 1; do for icd in 0 1; do #for (1),(2),(3),(4)

Lefor ics in 0 or icd in 2; do #for (5)

Lefor icd in 0; do for icd in 5; do #for (5)

Lefor ics in 0; do for icd in 5; part = part (5)

Lefor ics in 0; do for icd in 5; part = part (5)

Lefor ics in 0; do for icd in 0; do for 0; 0; 10; 10; 1AR=LAR:0.7; 0; 000:11/ver=ver:-2; #best for ver
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                'n
                                                                                                                                                                                                                                             #best for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 plot "test_s+d1000_0_0_5_v-2.dat" using 1:2 w l, "" using 1:2:3 w errorbars t "" pt 6 lt l, \
"test_s+d1000_1_0_5_v-2.dat" using ($1+0.1):2 w l, "" using ($1+0.1):2:3 w errorbars t "" pt 4 lt
                                                                                                                                                                                                                                                                                             er:-2
9518 #test=test:5:1000:${iCs}:${iCd}:5:paRT=paRT:0.7:0.15:10:LaR=LaR:0.7:0.000:1:ver=ver:-2: #best for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cmd="speakerdigit_v ffs ff $nSDL $pmin ${_vtm} $PNr $void $glibbs $beta $sdp $1T $sdT $ver $pART
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           for
                                                                                                                                                                                                                                                                                                                                                                                                                                 for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         echo $cmd; $cmd; $cmd; ects: %pART; $LAR" ectho "#Done for $test; $pART; $LAR" cmd="cp tmp/testsd_stat.dat ../12voicedata/allpole/test_s+d1000_C$ {C}_v-2_gibbs$ {g}_No$ {No}.dat" ecto $cmd; $cmd; $cmd;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    $part
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #best
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9521 echo "#$test;$pART'$LAR"
9522 cmd="speakerdigit_v $fs $fd $nSDL $pmin ${_vtm} $PNr $void $gibbs $beta $sdP $1T $sdT $ver $6523 #cmd="speakerdigit_v $fs $fd $nSDL $pmin ytm:-1 $PNr $void $gibbs $beta $sdP $1T $sdT $ver 9523 #cmd="speakerdigit_v $fs $fd $nSDL $pmin ytm:-1 $PNr $void $gibbs $beta $sdP $1T $sdT $ver
if [ "$C" = "3" ]; then iCs=0; iCd=1; fi
if [ "$C" = "4" ]; then iCs=0; iCd=2; fi
if [ "$C" = "5" ]; then iCs=0; iCd=3; fi
if [ "$C" = "6" ]; then iCs=0; iCd=5; fi
if [ "$C" = "7" ]; then iCs=0; iCd=5; fi
test=test:5:10000:$(iCs):$(iCs):$(T); paRT=paRT:0.5:0.5:10; LAR=LAR:0.5:0:$(nA); ver=ver:-2; #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               $ver
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ../12voicedata/allpole/test_s+d1000_${iCs}_${iCd}_5_v-2.dat
                                                                                                                                                                                                                                                                                                                                                                                  r:-2
9519 #test=test:5:1000:${icd}:${icd}:5:paRT=paRT:0.6:0.1:10;LaR=LaR:0.7:0.000:1;ver=ver:-2;
9520 #if [ "ST" = "10" ]; then LaR=LaR:0.5:0:2; fi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #test=test:5:1000:${1cg}:${1cd}:5:parT=parT:0.6:0.1:10:LaR=LaR:0.7:0.000:1:ver=ver:-2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               $sq1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               $11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               $beta $sdP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               $pmin $ytm $PNr $void $gibbs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2013/02/27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #if [ "$T" = "10" ]; then LAR=LAR:0.5:0:2; fi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     on
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #set environment variable by the script
話者+数字照合:ver=-2でしきい値の最適化
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /定酷者+指定数字列のテスト,
/定酷者+11/5非指で数字列のテスト,
指定話者+指定数字列のテスト,
補定話者+11/5非指定数字列のテスト,
/産話者+17.5非指定数字列のテスト,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cd ~/sotu/2012/12voicedata/allpole/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SnSDL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   $test; $pART; $LAR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    echo $cmd; $cmd;
echo "#Done for $test;$pART;;
cmd="cp tmp/testsd_stat.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cmd="speakerdigit_v $fs $fd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cd ../12voicedata/allpole/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2013/05/17 for iconip2013 oob4speakerdigit+
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     echo "#$test;$pART;$LAR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             set style data lp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 $cmq;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      gnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   gnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               echo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               R $test";
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

```
9583 (4)15 cp.0.02200.049:0.010-0.456 LC0.002-0.958 iC1000=TR995:FA0:SR5 C0=TA0:FR0:SA0 pAR0.7:0.15 LAR0.7:0.11 iCT1:1/5 midlv-2
9584 (5)15 cp.0.95600.163:0.062-0.990 LC0.003-0.998 iC1000=TR994:FA0:SR986 C0=TA0:FR0:SA0 pAR0.7:0.15 LAR0.7:0.11 iCT0:2/5 midlv-2
9586 (1)15 cp.0.96000 lc3:0.062-0.990 LC0.003-0.998 iC1000=TR0:FA14:SR986 C0=TA0:FR0:SA0 pAR0.7:0.15 LAR0.9585
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ver:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9581 (2)15 cp=0.06100.142:0.069-0.990 LC0.003-0.998 iC0=TR0:FA0:SR0 C1000=TA850:FR0:SA150 pAR0.7:0.15 LAR
0.7:0:1 iCT0:1/5 mid1v-2
9582 (3)15 cp>0.021U0.044:0.010-0.345 LC0.002-0.998 iC1000=TR995:FA0:SR5 C0=TA0:FR0:SA0 pAR0.7:0.15 LAR0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7:0:1 icr0:0/5 mid1v-2
9637 (2)t5 0.963U0.212:0.010-0.990 LC0.003-0.998 iC0=TR0:FA0:SR0 C1000=TA848:FR2:SA150 PAR0.6:0.1 LAR0
                                                                                                                                                                                                                                                                                                                                                                                                                                                           9588 (3)15 cp>0.021U0.044:0.010-0.345 LCO.002-0.998 iC1000=TR978:FR0:SR22 CO=TR0:SR0 paR0.7:0.1 LARO.
7:0:1 iCT1:0/5 mid1V-2
9599 (4)145 cp>0.022U0.049:0.010-0.456 LCO.002-0.858 iC1000=TR979:FR0:SR21 CO=TR0:FR0:SR0 paR0.7:0.1 LARO.
7:0:1 iCT1:1/5 mid1V-2
9590 (5)15 cp>0.956U0.163:0.062-0.990 LCO.003-0.998 iC1000=TR0:FR14:SR986 CO=TR0:FR0:SR0 paR0.7:0.1 LARO.
9590 (5)15 cp>0.956U0.163:0.062-0.990 LCO.003-0.998 iC1000=TR0:FR14:SR986 CO=TR0:FR0:SR0 paR0.7:0.1 LARO.
                                                   (1)t5 0.960U0.153:0.072-0.990 LC0.003-0.998 iC0=TR0:FA0:SR0 C1000=TA937:FR2:SA61 pAR0.7:0.15 LAR0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6 lt 1, '
t "" pt
                                                                                                                                                                                                                                                                                                                                                                               7:0:1 iCTO:0/5 midlw-2
9587 (2)t5 0.961U0.142:0.069-0.990 LCO.003-0.998 iCO=TRO:FA0:SR0 C1000=TA850:FR0:SA150 pARO.7:0.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      echo "#bone for $test:$pART:$LAR"
cmd="cp tmy/testsd_stat.dat ../12voicedata/allpole/test_s+d1000_${iCs}_${iCd}_5_v-2-bayes.dat"
echo $cmd; $cmd;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #test=test:5:1000:${iCs}:${iCd}:5;paRT=paRT:0.7:.1:10;LaR=LaR:0.7:0.000:1;ver=ver:-2; #best
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      olot "test_s+d1000_0_0_5_v-2-bayes.dat" using 1:2 w 1, "" using 1:2:3 w errorbars t "" pt refee_s+d1000_1_0_5_v-2-bayes.dat" using ($1+0.1):2 w 1, "" using ($1+0.1):2:3 w errorbars 6, 0.1,!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         $ver
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #test=test:5:1000:${ics}:${icd}:5:parT=parT:0.5:.008:10;LaR=LaR:0.7:0.000:1;ver=ver:-2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SadT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (1)t5 0.966U0.209:0.010-0.990 LC0.003-0.998 iC0=TR0:FA0:SR0 C1000=TA932:FR9:SA59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         echo "#$test;$pART;$LAR"
cmd="speakerdigit_v $fs $fd $nSDL $pmin $ytm $PNr $void gibbs:0 $beta $sdP $lT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               set term tgif;set output "test_s+d1000-bayes.obj";replot
"test_s+d1000-gibbs.obj";replot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ../l2voicedata/allpole/
```

```
test:;
9728
9729
9730
9731
9732
9733 ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               :-1
9726
9727
                                                                                                                                                                                                                                                                                                                                                                        9699
9700
9701
9702
9703
9706
9706
9707
9708
9709
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          :-2
9749
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  97114
97115
97116
97117
97119
9722
9723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 :-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        $test";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9739
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9743
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9744
9745
9746
9747
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9748
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9711
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              7:011 iCTO:0/5 mid1v-2
9650 (21)55 cpo.0.966U0.209:0.010-0.990 LCO.003-0.998 iCO=TRO:PA0:SRO C1000=TA032:FR9:SA59 paRO.6:0.1 LARO.7:011 iCTO:0/5 mid1v-2
9650 (21)55 cpo.0.963U0.212:0.010-0.990 LCO.003-0.998 iCO=TRO:PA0:SRO C1000=TA04848:FR2:SA150 paRO.6:0.1 LARO.7:011 LCTO:1/5 mid1v-2
9651 (3)55 cpo.0.0.313U0.065:0.010-0.806 LCO.002-0.998 iC1000=TR998:FA2:SRO C0=TAO:FR0:SA0 paRO.6:0.1 LARO.7:011 LCTO:1/5 mid1v-2
9652 (4)55 cpo.0.313U0.024:0.010-0.294 LCO.002-0.988 iC1000=TR998:FA2:SRO C0=TAO:FR0:SA0 paRO.6:0.1 LARO.7:011 iCT1:1/5 mid1v-2
9653 (4)55 cpo.0.3200.0234:0.010-0.990 LCO.003-0.998 iC999=TRO:FA16:SR983 C1=TAO:FR1:SA0 paRO.6:0.1 LARO.7:01.1 iCTO:2/5 mid1v-2
9653 (5)55 cpo.0.3200.0234:0.010-0.990 LCO.003-0.998 iC999=TRO:FA16:SR983 C1=TAO:FR1:SA0 paRO.6:0.1 LARO.7:01.1 iCTO:2/5 mid1v-2
                                                                                                                                                9641 (10.12 cpt.0.26600.209:0.010-0.990 LCO.003-0.998 iCO=TRO:FRO:SRO C1000=TA925:FR9:SA66 pARO.7:0.1 LARO.7:0.1 LARO.7:0.1 LOTO:0/5 mid1y-2 (2) cp.0.96600.212:0.010-0.990 LCO.003-0.998 iCO=TRO:FRO:SRO C1000=TA842:FR2:SA156 pARO.7:0.1 LARO.9643 (2) L5 cp>0.96300.212:0.010-0.990 LCO.003-0.998 iCO=TRO:FRO:SRO C1000=TA842:FR2:SA156 pARO.7:0.1 LARO.9644 (3) L5 cp>0.9644 (3) L5 cp>0.9644 (3) L5 cp>0.9645 (3) L5 cp>0.9645 (3) L5 cp>0.9645 (4) LCO:000-0.868 iC1000=TR998:FA1:SR1 C0=TA0:FRO:SA0 pARO.7:0.1 LARO.79645 (4) LCO:000-0.294 LCO:000-0.858 iC1000=TR999:FA0:SR3 C0=TA0:FRO:SA0 pARO.7:0.1 LARO.7964 (5) L5 cp>0.96000.234:0.010-0.990 LCO:003-0.998 iC999=TRO:FA15:SR984 C1=TA0:FR1:SA0 pARO.7:0.1 LARO.7964 (1) LARO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    pt 6 11 1, 0.7, 0.15

9673 set term tgif;set output "test_s+d1000-yth-no-tune.obj";replot
9674 (1) t5 cp>0.96200.158:0.185-0.999 LCO.002-0.999 iCO=TR0:FA0:SR0 C1000=TA917:FR0:SA83 pARO.3:0.15 LARO
9675 (1) t5 cp>0.96200.158:0.185-0.990 LCO.002-0.999 iCO=TR0:FA0:SR0 C1000=TA917:FR0:SA83 pARO.4:0.15 LARO
9676 (1) t5 cp>0.96200.158:0.185-0.990 LCO.002-0.999 iCO=TR0:FA0:SR0 C1000=TA917:FR0:SA83 pARO.4:0.15 LARO
7:01 iCT0:0/5 midity-2
9677 (1) t5 cp>0.96200.158:0.185-0.990 LCO.002-0.999 iCO=TR0:FA0:SR0 C1000=TA917:FR0:SA86 pARO.6:0.15 LARO
7:01 iCT0:0/5 midity-2
9678 (2) t5 cp>0.96400.144:0.089-0.990 LCO.002-0.999 iCO=TR0:FA0:SR0 C1000=TA765:FR1:SA234 pARO.6:0.15 LARO
9679 (3) t5 cp>0.96400.144:0.089-0.990 LCO.002-0.999 iCO=TR0:FA0:SR5 C0=TA765:FR1:SA234 pARO.6:0.15 LARO
9679 (3) t5 cp>0.01800.075:0.010-0.0473 LCO.001-0.999 iCI000=TR998:FA0:SR5 C0=TA0:FR0:SA0 pARO.6:0.15 LARO.
7:011 iCT1:1/5 midity-2
9680 (4) t5 cp>0.01800.053:0.010-0.473 LCO.001-0.999 iCI000=TR998:FA0:SR5 C0=TA0:FR0:SA0 pARO.6:0.15 LARO.
7:011 iCT1:1/5 midity-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9685 (2)t5 cp>0.964U0.144:0.089-0.990 LCO.002-0.999 iCO=TRO:FRO:SRO C1000=TA762:FRI:SA237 par0.7:0.15 LaR
0.7011.1CTC11/5 mid147-2
9686 (3)t5 cp>0.18U0.075:0.010-0.888 LCO.002-0.999 iC1000=TR995:FA0:SR5 C0=TA0:FRO:SA0 par0.7:0.15 LaR0.7:0:1 iCT1:0/5 mid14-2
7:0:1 iCT1:10/5 mid14-2
9687 (4)t5 cp>0.18U0.053:0.010-0.473 LCO.001-0.999 iC1000=TR998:FA0:SR2 C0=TA0:FRO:SA0 par0.7:0.15 LaR0.7:0:11 iCT1:11/5 mid14-2
                                           iCT1:1/5 mid1V-2
10 (5)t5 spp-0.96000.234:0.010-0.990 LC0.003-0.998 iC9999=TR0:FA16:SR983 C1=TA0:FR1:SA0 pAR0.6:0.1 LAR0.7
1_GT070:2/5 mid1V-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ۷
۹
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ver:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     <0.012U0.024:0.010-0.294 LC0.002-0.858 iC1000=TR997:FA0:SR3 C0=TA0:FR0:SA0 pAR0.6:0.1 LAR0.7</p>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9681 (5):E5 cpo.96100.150:0.089-0.990 LCO.002-0.999 iC1000=TRO:FA7:SR993 CO=TA0:FR0:SA0 paRO.6:0.15 LARO.
1.01 iCTO:2/5 midlu-2
9682 t5 cpo.96100.150:0.089-0.990 LCO.002-0.999 iC1000=TRO:FA7:SR993 CO=TAO:FR0:SA0 paRO.7:0.15 LARO.7:0.11 iCTO:2/5 midly-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cmd="op tmp/testsd_stat.dat ../12voicedata/allpole/test_s+d1000_${iCs}_${iCd}_5_v-2-yth-no-tune.dat'
echo $cmd; $cmd;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (5)t5 0.961U0.150:0.089-0.990 LC0.002-0.999 iC1000=TR0:FA7:SR993 C0=TA0:FR0:SA0 pAR0.7:0.15 LAR0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #test=test:5:1000:${ics}:${icd}:5:parT=parT:0.5:.008:10;Lar=Lar:0.7:0.000:1;ver=ver:-2; #best for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #Exp3:ytm:-1 no-tuning of yth
#yth=0では、paを小さくレでも、Taが大きくできない。なぜか?FRが大きい?pgの分散も大きいはず?
#yth=0では、paを小さくレでも、Taが大きくできない。なぜか?FRが(4)
for ics in 0 1 i do for icd in 0 1; do #for (1),(2),(3),(4)
#for ics in 0; do for icd in 2; do # for (5)
test=test:5:1000:${ics}:${icd}:5:parT=paRT:0.6:.15:10;LAR=LAR:0.7:0.000:1;ver=ver:-2; #best for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "test_s+d1000_1_0_5_v-2-yth-notune.dat" using ($1+0.1):2 w 1, "" using ($1+0.1):2:3 w errorbars
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         gnuplot
plot "test_s+d1000_0_0_5_v-2-yth-no-tune.dat" using 1:2 w l, "" using 1:2:3 w errorbars t ""
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cmd="speakerdigit_v $fs $fd $nSDL $pmin ytm:-1 $PNr $void $gibbs $beta $sdP $1T $sdT $ver
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "#Done for $test; $pART; $LAR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cd ../12voicedata/allpole/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "#$test;$pART;$LAR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    echo $cmd; $cmd;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .7:0:1 iCTO:0/5 midlv-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9688 (5)t5 0.9610
7:0:1 iCT0:2/5 midlv-2
9689
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       done; done
39 (4)t5 < iCTI:1/5 m
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         r:-2
9662
9663 c
$test";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9659
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9666
9667
9668
9669
9670
t 1, \
```

9690 ##!Error Rate: FP FN ER yth [%] involving void=m7

readmecan2mspeech.txt Dec 05 2019 13:52:41

```
9737 (4) t5 cp>0.02200.049:0.010-0.456 LC0.002-0.858 iC1000=TR128:FA0:SR872 C0=TA0:FR0:SA0 pAR0.5:0.008 LA
AR0.770:1 iCTI:1/5 midity-2
9738 (5) t5 cp>0.95600 142:0 0.000-0.456 LC0.002-0.858 iC1000=TR128:FA0:SR872 C0=TA0:FR0:SA0 pAR0.5:0.008 LA
PROMOTION OF TAX OF T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9757 t5 9757 t5 0.966U0.209:0.010-0.990 LC0.003-0.998 iCO=TR0:FA0:SR0 C1000=TA934:FR0:SA66 pAR0.5:0.008 LAR0.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ver
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ver
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    $PART $LAR $
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ver
                                                                                                                                                                                                                                                                                                                                            <FN>=0.0671429+-0.0314482 TotalUncertainty+-0.0236139(k1.65) <ERR>=0.029
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ver
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    <FN>=0.0714286+-0.0447236 TotalUncertainty+-0.0320528(k1.65) <ERR>=0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SPART SLAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #test=test:5:1000:${ics}:${icd}:5:parT=parT:0.5:.008:10:Lar=Lar:0.3:0.001:1;ver=ver:-1;#best for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #test=test:5:1000:${ics}:${icd}:5;parT=parT:0.5:.008:10;Lar=Lar:0.3:0.001:1;ver=ver:-1;#best for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.5,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       comd="cp tmp/testsd_stat.dat ../12voicedata/allpole/test_s+d1000_${iCs}_${icd}_5_v-2-bayes.dat" cecho $cmd; $cmd;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      $ver
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    $ver
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cmd="cp tmp/testsd_stat.dat ../12voicedata/allpole/test_s+d1000_${iCs}_s{iCd}_5_v-2.dat'echo $cmd; $cmd; $cmd;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #Exp2: gibbs=gibbs:0;
for ics in 0 1; do for icd in 0 1; do #for (1),(2),(3),(4)
#for ics in 0; do for icd in 2; do # for (5)
rest=test:5:1000:${ics};${icd}:5:paRr=paRT:0.5:.008:10;IAR=LAR:0.7:0.000:1;ver=ver:-2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        plot "test_s+d1000_0_0_5_v-2.dat" using 1:2 w l, "" using 1:2:3 w errorbars t "", \
"test_s+d1000_1_0_5_v-2.dat" using ($1+0.1):2 w l, "" using ($1+0.1):2:3 w errorbars t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      $sqT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              $1T $sdT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                echo "#$test;$paRT;$LaR"
cmd="speakerdigit_v $fs $fd $nSDL $pmin $ytm $PNr $void gibbs:0 $beta $sdP $lT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              echo "#$test;$pART;$LAR"
cmd="speakerdigit_v $fs $fd $nSDL $pmin $ytm $PNr $void $gibbs $beta $sdP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         set term tgif;set output "test_s+d1000-gibbs.obj";replot
                                                                                                                                                                                                                                                                                                                                                                                                                                       [%] involving void=m10
                                                                                                                                                                                                                                                                                                                                                                                                                            ##IETZOR RALE: FP FN ER Yth [%] if 10.000 7.143 1.571 0.000 m0 1.000 7.143 1.143 0.000 m1 1.000 7.143 1.143 0.000 m3 1.270 11.429 2.286 0.000 m3 1.200 11.571 0.000 m3 1.200 11.001 0.000 m5 1.000 10.000 1.000 0.000 m6 1.000 10.000 1.429 0.000 m6 1.000 10.000 1.429 0.000 m8 1.000 1.429 0.000 m9 1.000 1.429 0.000 m9 1.000 1.429 0.000 m9 1.000 1.429 0.000 m9 1.000 1.429 0.000 m9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          echo "#Done for $test;$pART;$LAR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            echo "#Done for $test;$pART;$LAR"
9691 2.000 3.000 2.143 0.000 m0
9692 1.000 8.000 2.000 0.000 m1
9693 2.833 7.000 3.286 0.000 m3
9694 2.333 9.000 3.286 0.000 m4
9695 2.333 7.000 3.000 0.000 m4
9696 2.333 7.000 3.000 0.000 m5
9697 3.33 8.000 4.000 0.000 m5
9698 MSPP>=0.0235714(+-0.011236) <F7
7959 mS7 mD10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cd ../12voicedata/allpole/
gnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RO.7:0:1 iCTO:2/5 midlv-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ###########
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     nS7 nD10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ##01d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9750
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9752
9753
9754
9755
9755
```

```
#Exp3:ytm:-l no-tuning of yth
for ics in 0 1; do for icd in 0; do # for (5), (3), (4)

#for ics in 0; do for icd in 2; do # for (5)

test=test:5:1000:${iCs}:${iCd}:5:paRT=paRT:0.5:.008:10;IAR=LAR:0.7:0.000:1;ver=ver:-2; #best for ver
                                                                                                                                       9760 t5 yeb0.01200.024:0.010-0.294 LC0.002-0.858 iC1000=TR128:FA0:SR872 C0=TA0:FR0:SA0 paR0.5:0.008 LAR0.7:0:1 iCT1:1.15 mid1v-2 9761 t5 xp>0.96000.234:0.010-0.990 LC0.003-0.998 iC1000=TR0:FA16:SR984 C0=TA0:FR0:SA0 paR0.5:0.008 LAR0.7:0:1 iCT0:2/5 mid1v-2
                                                                                                                                                                                                                                                                                                                                                                                                                                   9765 plot "test_s+d1000_0_0_5_v-2-bayes.dat" using 1:2 w 1, "" using 1:2:3 w errorbars t "", \ 9766 "test_s+d1000_1_0_5_v-2-bayes.dat" using ($1+0.1):2 w 1, "" using ($1+0.1):2:3 w errorbars t "", 0.5 0.008
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             for ver
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 $ver $pART
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cmd="cp tmp/testsd_stat_dat ../12voicedata/allpole/test_s+d1000_${iCs}_${iCd}_5_v-2_yth-no-tune.dat" echo $cmd: $cmd:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #test=test:4:1000:0:0:#test:4:<n>:<riCs>:<riCd>, for <n>=num_of_samples, <riCs>=inCorrect_speakers_r
9758 t5 970.963U0.212:0.010-0.990 LCO.003-0.998 iCO=TRO:FA0:SR0 C1000=TA850:FR0:SA150 pAR0.5:0.008 LAR0.7:0:1.15071.5/9 mid1v-2.9765:0.010-0.806 LCO.002-0.998 iC1000=TR33:FR2:SR965 C0=TA0:FR0:FR0:SA0 pAR0.5:0.008 LAR0.7955 t5 ep>0.01300.065:0.010-0.806 LCO.002-0.998 iC1000=TR33:FR2:SR965 C0=TA0:FR0:FR0:SA0 pAR0.5:0.008 LAR0.70985 t5 ep>0.01300.065:0.010-0.806 LCO.002-0.998 iC1000=TR33:FR2:SR965 C0=TA0:FR0:FR0:SA0 pAR0.5:0.008 LAR0.709
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7:0:1 icT0:0/5 mid1y-2
9782 t5 cp>0.960U0.215:0.010-0.990 LC0.002-0.999 iCO=TR0:FA0:SR0 C1000=TA692:FR0:SA308 pAR0.5:0.008 LAR0.7:0:1 iCT0:1/5 mid1y-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           t5 0.960U0.227:0.010-0.990 LC0.002-0.999 iC0=TR0:FA0:SR0 C1000=TA865:FR0:SA135 pAR0.5:0.008 LAR0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9784 t5 017U0.120:0.010-0.990 LC0.001-0.999 iC1000=TR320:FA3:SR677 C0=TA0:FR0:SA0 pAR0.5:0.008 LAR0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                speaker and digits
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1:2:3 w errorbars t "", \ ($1+0.1):2:3 w errorbars t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               speakerdigit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TT=1T:11

TT=1T:12

TT=1T:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         t5 cp>0.016U0.112:0.010-0.990 LC0.001-0.998 iC1000-TR102:FA3:SR895 C0=TA0:FR0:SA0 pAR0.5:0.008
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #test=test:5:1000:${ic3}:$fic3}:5;paRT=paRT:0.5:.008:10;LaR=LaR:0.3:0.001:1;ver=ver:-1;#best
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cmd="speakerdigit_v %fs %fd %nSDL %pmin ytm=ytm:-1 %PNr %void gibbs:0 %beta %sdP %lT %sdT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               speaker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9809 #test=test:0; #test:0 for testing given sdP and sdT, 9810 sdP=sdP:0:0:1:2:3:4:5:6:7:8:9; #sdP:<speaker>:<digitl>:<digitl>:... for prompted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          for testing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   plot "test_s+d1000_0_0_5_v-2-yth-no-tune.dat" using 1:2 w 1, "" using "test_s+d1000_1_0_5_v-2-yth-notune.dat" using ($1+0.1):2 w 1, "" using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          sdT=sdT:0:0:1:2:3:4:5:6:7:8:9; #sdT:<speaker>:<digit1>:<digit2>:...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 set term tgif;set output "test_s+d1000-yth-no-tune.obj";replot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      set term tgif;set output "test_s+d1000-bayes.obj";replot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #th->LA, digit accept
#th->LR, digit reject
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   digit reject
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      echo "#Done for $test; $pART; $LAR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #th->LAn
                                                                                                                                                                                                                                                                                                                                                                      cd ../12voicedata/allpole/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cd ../12voicedata/allpole/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ate, <riCd>=inCorrect_digits_rate.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       echo "#$test;$pART;$LAR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            echo $cmd; $cmd;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              7:0:1 iCT1:0/5 midlv-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              7:0:1 iCT1:1/5 midlv-2
                                                                                                                             :0:1 iCT1:0/5 midlv-2 9760 t5 cp>0.012U0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ###########
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2013/02/27
                                                                                                                                                                                                                                                                                                                                                                                                                gnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          when test_id=0
9811 sdT=sd?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       $test";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.008
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9772
:-2
9773
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9783
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           98114
988116
988116
98818
98820
9823
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9785
                                                                                                                                                                                                                                                                                                                                                                           9763
                                                                                                                                                                                                                                                                                                                                 9762
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9768
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9781
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9788
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SLAR
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

```
0.3:0.005:1 iCTV:1/5 mid3v-2

9839 (310.55 exp-0.035400-05.010-0.583 LC0.002-0.999 iC1000=TR1000:FA0:SR0 CO=TA0:FR0:SA0 PARO.6:0.09 LARO

3.0.051.1 iCTV:0/5 mid3v-2

9840 (4) E5 exp-0.03300.042:0.010-0.268 LC0.002-0.999 iC1000=TR1000:FA0:SR0 CO=TA0:FR0:SA0 PARO.6:0.09 LARO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.3:0.005:0 icr0:1/5 mid3v-2
9847 (3)t5 0.035U0.065:0.10-0.583 LC0.002-0.999 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pAR0.6:0.09 LAR0
.3:0.005:0 icr1:0/5 mid3v-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .3:0.005:5 iCT1:1/5 mid3v-2
9860 (5)t5 0.80000.276:0.059-0.990 LC0.002-0.999 iC0=TR0:FA0:SR0 C1000=TA882:FR1:SA117 PAR0.6:0.09 LAR
                                                                                                                                                                                                                                                                                                                                                                                                                                               cmd="speakerdigit_v fisd $nSDL $pmin $ytm $PNr $void $gibbs $beta $sdP $1T $sdT $ver $paRT $LAR $tes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (1)t5 0.97700.092:0.236-0.990 LC0.022-0.999 iC0=TR0:FA0:SR0 C1000=TA942:FR0:SA58 pAR0.6:0.09 LAR0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9643 #n_A=0 許容誤り数を0にすると受理率が82.0%まで下がる
9844 #test=test:5:1000:$(ics):$(icd):5;paRT=paRT:0.6:09:10;LaR=LaR:0.3:0.005:0;ver=ver:-2;#best for ver:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.3:0.005:0 iCT0:0/5 mid3v-2
9846 (2)t5 0.943U0.151:0.147-0.990 LC0.003-0.999 iC1000=TR32:FA25:SR943 C0=TA0:FR0:SA0 pAR0.6:0.09 LAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (4)t5 0.033U0.042:0.010-0.268 LC0.002-0.999 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pAR0.6:0.09 LAR0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  for ver:-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9856 (1)15 0.97700.092:0.236-0.990 LCO.022-0.999 ICO=TRO:FRO:SRO C1000=TA993:FRO:SA7 PARO.6:0.09 LARO.3000:5:0.0055; ECTO:0.09 LARO.3900 LCO.003-0.099 ICO=TRO:FRO:SRO C1000=TA983:FRO:SA17 PARO.6:0.09 LARO.3907 (2)15 4.0070:0.0059:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.0070:0.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (3)t5 (3)L0.065:0.010-0.583 LC0.002-0.999 iC1000=TR963:FA0:SR37 C0=TA0:FR0:SA0 pAR0.6:0.09 LAR0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (4)t5 0.033U0.042:0.010-0.268 LC0.002-0.999 iC1000=TR967:FA0:SR33 C0=TA0:FR0:SA0 pAR0.6:0.09 LAR0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #test=test:5:1000:${ics}:${icd}:5:parT=parT:0.6:.09:10;LaR=LaR:0.3:0.005:1;ver=ver:-2;#best for ver:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9845 (1)t5 0.977U0.092:0.236-0.990 LC0.022-0.999 iC0=TR0:FA0:SR0 C1000=TA820:FR0:SA180 pAR0.6:0.09 LAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (5)t5 0>0.80000.276:0.059-0.990 LC0.002-0.999 iC1000=TR72:FA1:SR927 C0=TA0:FR0:SA0 pAR0.6:0.09 LAR0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (2)t5 0.943U0.151:0.147-0.990 LC0.003-0.999 iC0=TR0:FA0:SA0 C1000=TA839:FR0:SA161 pAR0.6:0.09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (5)t5 0.0000.276:0.059-0.990 LC0.002-0.999 iC1000=TR3:FA39:SR958 C0=TA0:FR0:SA0 pAR0.6:0.09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           test=test:5:1000:${ics}:${icd}:5:parT=parT:0.6:.09:10;LaR=LaR:0.3:0.005:5;ver=ver:-2;#best
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      \label{localization} $$\lim_{s\to s} \frac{1000_{\$}ics}{s}^{1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1}s^{-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #na=5:許容誤り数を用いないで、多段話者数字認識のみシ1/5でもアクセプトシ ravではなく、ra
for $test; $parr; $Lar"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9850 #n_A=0 許容誤り数を0にすると
9851 #(1)で受理率がFA82まで下がる
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #(2)でFA25と大きくなる
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.3:0.005:5 iCT0:2/5 mid3v-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .3:0.005:1 iCT1:1/5 mid3v-2 9841 (5)t5 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            .3:0.005:1 iCT0:0/5 mid3v-2 9838 (2)t5 cp>0.943U0.15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .3:0.005:1 iCT0:2/5 mid3v-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .3:0.005:0 iCT1:1/5 mid3v-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .3:0.005:5 iCT0:1/5 mid3v-2 9858 (3)t5 cp>0.03500.06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .3:0.005:5 iCT1:0/5 mid3v-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .3:0.005:0 iCT0:2/5 mid3v-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    echo "#Done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cp tmp/test
done;done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2013/02/23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9834
9835
9836
9825
9826
9827
9828
9829
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9837
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9853
9854
9855
                                                                                                                                                                                                                                                                                                                                                                                                                                        9831
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9848
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9859
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9833
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9852
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9861
```

9882 echo "#\$test;\$pART;\$LAR" 9883 cmd="speakerdigit_v \$fs \$fd \$nSDL \$pmin \$ytm \$PNr \$void \$gibbs \$beta \$sdP \$1T \$sdT \$ver \$pART \$LAR \$ test";\$cmd

test=test:5:1000:\${ics}:\${icd}:5;parT=parT:0.5:.008:10;lar=LaR:0.7:0.001:1;ver=ver:-2; #best #test=test:5:1000:\${ics}:\${icd}:5:paRT=paRT:0.5:.008:10:LaR=LaR:0.3:0.001:1;ver=ver:-1;#best

ф

#for ics in 0; do for icd in 2;

9881

話者+数字照合: ver=-2でしきい値の最適化 2.1 実験 for ics in 0 1; do for icd in 0 1; do ver

ver

../12voicedata/allpole/test_s+d1000_\${ics}_\${icd}_5_v-2.dat \$test; \$parr; \$Lar cp tmp/testsd_stat.dat

PAR0.6:0.008 LA 9897 (1) t5 0.960U0.153:0.072-0.990 LC0.003-0.998 iC0=TR0:PA0:SR0 C1000=TA944:FR0:SA56.9888 (2) t5 0.01:1 iCT0:0/5 midity-2

LC0.003-0.998 iC0=TR0:FA0:SR0 C1000=TA850:FR0:SA150 pAR0.6:0.008 L LC0.002-0.998 iC1000=TR35:FA0:SR965 C0=TA0:FR0:SA0 pAR0.6:0.008 LA LC0.002-0.858 iC1000=TR137:FA0:SR863 C0=TA0:FR0:SA0 pAR0.6:0.008 L 9888 (2) LS cpo.96100.142:0.069-0.990.7888 (3) LS cpo.96100.142:0.069-0.990.9889 (3) LS cpo.0011.1 iCTO:1/S midlu-2 9890 (4) t5 0.02200.049:0.010-0.456 ARO.8:0.001:1 iCT1:1/5 midlv-2 9889 (3) t5 0.021U0.04 R0.8:0.001:1 iCT1:0/5 midlv-

LA 9891 (5) t5 cp>0.95600.163:0.062-0.990 LC0.003-0.998 iC1000=TR0:FA12:SR988 C0=TA0:FR0:SA0 pAR0.6:0.008 R0.8:0.001:1 iCT0:2/5 mid1v-2

RO.8:0.001:1 iCT0:0/5 midlv-2 9894 (2) t5 cp>0.961U0.142 (1) t5 9892 9893

9894 (2) t5 cp0.06100.14220.069-0.990 LCO.003-0.998 iCO=TRO:FRO:SRO C10000=TR850:FRO:SA150 PARO.5:0.008 L ARO.8:0.0011.1 dcm0.1.15 midlav-2
9895 (3) t5 cp0.06100.145 midlav-2
9895 (3) t5 cp0.06100.044:0.010-0.345 LCO.002-0.998 iC10000=TR35:FA0:SR965 CO=TA0:FRO:SA0 PARO.5:0.008 LA RO.8:0.0011.1 icT1:0/5 midlay-2
9896 (4) t5 cp0.02200.0499:0.010-0.456 LCO.002-0.858 iC1000=TR137:FA0:SR863 CO=TA0:FRO:SA0 PARO.5:0.008 LA ARO.8:0.0011.1 icT1:1/5 midlay-2 t5 0.956U0.163:0.062-0.990 LC0.003-0.998 iC1000=TR0:FA13:SR987 C0=TA0:FR0:SA0 pAR0.5:0.008 LA R0.8:0.001:1 iCT0:2/5 midlv-2 9897

9899 (1) t5 0.960U0.153:0.072-0.990 LCO.003-0.998 iCO=TRO:FRO:SRO C1000=TA946:FRO:SA54 paRO.4:0.008 LA ARO.8:0.00111 iCOTO:0.75 midity-2 990 LCO.003-0.998 iCO=TRO:FRO:SRO C1000=TA851:FRO:SA149 paRO.4:0.008 L ARO.8:0.0111 iCTO:1/5 midity-2 9901 (3) t5-cp>0.021U0.044:0.010-0.345 LC0.002-0.998 iC1000=TR35:FA0:SR965 C0=TA0:FR0:SA0 pAR0.4:0.008 LA 9002 (4) t5 cp>0.03717 n/ac. n/a

9902 (4) t5 cp>0.02200.049:0.010-0.456 LC0.002-0.858 iC1000=TR137:FA1:SR862 C0=TA0:FR0:SA0 PAR0.4:0.008 L
ARO.8:0.001:1 iCT1:1/5 mid1v-2 NG FA1
9903 (5) t5 cp>0.55600.163:0.062-0.990 LC0.003-0.998 iC1000=TR0:FR13:SR987 C0=TA0:FR0:SA0 PAR0.4:0.008 LA
R0.8:0.001:1 iCT0:2/5 mid1v-2

9905 ###bsst part-part:0.5:.008:10;Larelar:0.7:0.001:1;ver=ver:-2; 9906 (1) t5 cpo-0.60000.153:0.072-0.990 LC0.003-0.998 iC0=TR0:PR0:SR0 C1000=TA947:FR0:SA53 par0.5:0.008 La R0.7:0.001:1 iCT0:0/5 midly-2 9907 (2) t5 cpo-0.96100.1492:0.069-0.990 LC0.003-0.998 iC0=TR0:FR0:SR0 C1000=TA859:FR0:SA141 par0.5:0.008 L AR0.7:0.001:1 iCT0:1/5 midly-2 9908 (3) t5 cpo.0.0100.144:0 nlon are recorded. t5 v. 956U0.163:0.062-0.990 LC0.003-0.998 iC1000=TR0:FA16:SR984 C0=TA0:FR0:SA0 pAR0.5:0.008 LA 9909 (4) t5 0.022U0.049:0.010-0.456 ARO.7:0.001:1 iCT1:1/5 midlx-2 R0.7:0.001:1 iCTO:2/5 midlv-2 9910

9913 (2) t5 cp>0.961U0.142:0.069-0.990 LCO.003-0.998 iCO=TRO:FRO:SRO C1000=TA865:FRO:SA135 paR0.5:0.008 L
A0.6:0.001.1 icTO:1.5 midity-2
9914 (3) t5 cp>0.021U0.044:0.010-0.345 LCO.002-0.998 iC1000=TR33:FA0:SR967 C0=TA0:FRO:SA0 paR0.5:0.008 LA
R0.6:0.001:1 iCTI:0/5 midity-2 915 (4) t5 cp>0.92000.205:0.062-0.990 LCO.001-1.000 iCI000=TRO:PA9:SR991 CO=TA0:FRO:SA0 pARO.5:0.008 LAR 0.6:0.001:1 iCT1:1/5 mid2v-2 NG FA9 for LARO.6 9916 (5) t5 cp>0.95600.163:0.062-0.990 LCO.003-0.998 iCI000=TRO:FRO:SR980 CO=TA0:FRO:SA0 pARO.5:0.008 LA 9916 (5) t5 cp>0.95600.163:0.062-0.990 LCO.003-0.998 iCI000=TRO:FRO:SR980 CO=TA0:FRO:SA0 pARO.5:0.008 LA RO.6:0.001:1 iCTO:0/5 midlv-2 9913 (2) t5 0.961U0.142 (1) t5 9912

9911

2.2 検討 以下 (a) par≧0.5 (parr:.5:.008:10)上で誤受理はO(Fa0)だが、par=0.4の偽話者1/5比指定数字(icr1:1/5 midlv RO.6:0.001:1 iCTO:2/5 midlv-2 9917

plot "test_s+d1000_0_0_5_v-2.dat" using 1:2 w 1, "" using 1:2:3 w errorbars t "", \ "test_s+d1000_1_0_5_v-2.dat" using (\$1+0.1):2 w 1, "" using (\$1+0.1):2:3 w errorbars t "", 0.2,0.008 3. 話者+数字照合: ver=-1でしきい値の最適化 CFA1がでた。paT≧0.5とすべき!? 2.3 視覚化 cd ../12voicedata/allpole/ gnuplot

9975

3.1 実験 for iCs in 0 1; do for iCd in 0 1; do #for iCs in 0; do for iCd in 2; do

test=test:5:1000:\${ics}:\${1cd}:5;paRT=paRT:0.5:.008:10;LaR=LaR:0.3:0.001:1;ver=ver:-1;#best for ver: #test=test:5:1000:\${iCs}:\${iCd}:5:parT=parT:0.5:.008:10:Lar=Lar:0.7:0.001:1;ver=ver:-2; #best for

9935 echo "#\$test;\$pART;\$LAR" 9936 cmd="speakerdigit_u \$fs \$fd \$nSDL \$pmin \$ytm \$PNr \$void \$gibbs \$beta \$sdP \$1T \$sdT \$ver \$pART \$LAR \$ test";\$cmd

readmecan2mspeech.txt Dec 05 2019 13:52:41

../12voicedata/allpole/test_s+d1000_\${iCs}_\${iCd}_5_v-1.dat for \$test; \$pART; \$LAR

9940 (1) t5 cp>0.85500.160:0.163-0.915 LCO.038-0.964 iCO=TRO:FRO:SRO C1000=TA926:FRU:SA74 paku.e:u.uvo da Ro.8:0.001:1 iCOTO:O.75 midity-1 200:0.05 midity-1 9943 (4) t5 cp>0.10800.076:0.035-0.449 LCO.024-0.837 iC1000=TR170:FA0:SR830 C0=TA0:FR0:SA0 PARO.6:0.008 L
ARO.8:0.001:1 iCTI:11/5 midity-1
9944 (5) t5 cp>0.84700.169:0.164-0.915 LCO.038-0.964 iC1000=TR0:FR0:FR0:SR993 C0=TA0:FR0:SA0 PARO.6:0.008 LAR
0.8:0.001:1 iCTO:21/5 midity-1 R0.8:0.001:1 iCT1:0/5 midlv-

(1) t5

9948 (3) E
9948 (3) E
9940 (17.5 mid1y-1)
9949 (27.1:0/5 mid1y-1)
9949 (4.0.012.1 icT1:0/5 mid1y-1)
9949 (4.0.012.1 icT1:1/5 mid1y-1)
9959 (5.0.013.1 icT1:1/5 mid1y-1)
9950 (5.0.013.1 icT1:1/5 mid1y-1)
9950 (5.0.013.1 icT1:1/5 mid1y-1)
9950 (6.0.013.1 icT1:1/5 mid1y-1)
9950 (7.0.013.1 icT1:1/5 mid1y-1)
9950 (8.0.0013.1 icT1:1/5 mid1y-1)
9950 (9.0.013.1 icT1:1/5 mid1 R0.8:0.001:1.1 iCT0:10/5 midiJv-1 9947 (2) L5 epe-0.85300.1540.163-0.915 LC0.038-0.964 iC0=TR0:FA0:SR0 C1000=TA817:FR0:SA183 pAR0.5:0.008 AR0.8:0.001:1 iCT0:1/5 midiJv-1 0.8:0.001:1 iCT0:2/5 midlv-1

9955 (4) t5 cp>0.10800.076:0.035-0.449 LC0.024-0.837 iC1000=TR170:FA1:SR829 C0=TA0:FR0:SA0 pAR0.4:0.008 L
AR0.8:0.001:1 iCT1:1/5 midlu-1 NG FA1 for pA0.4
9956 (5) t5 cp>0.84700.169:0.164-0.915 LC0.038-0.964 iC1000=TR0:FA8:SR992 C0=TA0:FR0:SA0 pAR0.4:0.008 LAR 9952 (1) t5 0.855U0.160: R0.8:0.001:1 iCTO:0/5 midlv-1 9953 (2) t5 R0.8:0.001:1 iCT1:0/5 midlv-

9958 (1) t5 0.855U0.160:0.163-0.915 LC0.038-0.964 iC0=TR0:FA0:SR0 C1000=TA946:FR0:SA54 pAR0.5:0.008 LA 9959 (2) t5 cp>0.001:1 iCT0:0/5 mid1y-1 9959 (2) t5 cp>0.85300.154.0.163-0.915 LCO.038-0.964 iCO=TRO:FRO:SR0 C1000=TR859:FRO:SA141 pARO.5:0.008 LARO.7:0.001:1 iCTO:1/5 midlu-1 and laro.7:0.001:1 iCTO:1/5 midlu-1 and laro.7:0.001:1 iCTO:1/5 midlu-1 and laro.7:0.008 LA paro.3:0.008 LA paro.3:0.0 RO.7:0.001:1 ic 9961 (4) t5

RO.6:0.001:1 iCT0:0/5 midly-1 9965 (2) t5 cpo.85300.154:0.163-0.915 LCO.038-0.964 iCO=TRO:FAO:SRO C1000=TA865:FRO:SA135 pARO.5:0.008 L ARO.6:0.001:1 iCT0:1/5 midly-1 9966 (3) t5 cpo.10500.072:0.038-0.447 LCO.024-0.963 iCIO00=TR33:FAO:SR967 CO=TAO:FRO:SA0 pARO.5:0.008 LA RO.6:0.001:1 iCT1:0/5 midly-1 9967 (4) t5 cpo.10800.075:0.035-0.449 LCO.024-0.837 iCIO00=TR122:FAO:SR878 CO=TAO:FRO:SA0 pARO.5:0.008 LA ARO.6:0.001:1; GT1:1/5 midly-1 9967 (4) t5 cpo.10800.076:0.035-0.449 LCO.024-0.837 iCIO00=TR122:FAO:SR878 CO=TAO:FRO:SA0 pARO.5:0.008 LA 9968 (5) t5 cpo.84700.169:0.164-0.915 LCO.038-0.964 iCIO00=TR0:FRO:FRO:SA0 pARO.5:0.008 LA 9963

9971 (2) t5 cp>0.85300.154:0.163-0.915 LC0.038-0.964 iC0=TR0:FA0:SR0 C1000=TA866:FR0:SA134 pAR0.5:0.008 LA AR0.5:0.001:1 iCT0:1/5 miditv-1 9972 (3) t5 cp>0.10500.072:0 0.72:0.72 (3) t5 cp>0.10500.072:0.072:0.72 (3) t5 cp>0.10500.072:0.72 (3) t5 cp>0.10500.072 9973 (4) t5 cp>0.108U0.076:0.035-0.449 LC0.024-0.837 iC1000=TR121:FA0:SR879 C0=TA0:FR0:SA0 pAR0.5:0.008 LA AR0.5:0.0011 iCT1-1.5 midLv-1.5 midLv-1 9970 (1) t5 0.855U0.160:0.163-0.915 LC0.038-0.964 iC0=TR0:FA0:SR0 C1000=TA950:FR0:SA50 pAR0.5:0.008 R0.5:0.001:1 iCTT0:0/5 midiv-1 9971 (2) t5 0.071 (2) t5 0.071 (2) t5 0.072 (2) t5 0.073 (2)

9976 (1) t5 0.85500.160:0.163-0.915 LC0.038-0.964 iC0=TR0:FA0:SR0 C1000=TA954:FR0:SA46 pAR0.5:0.008 LA R0.4:0.001:1 iCT0:0/5 midly-1 9977 (2) t5 cp>0.853U0.154:0.163-0.915 LC0.038-0.964 iC0=TR0:FA0:SR0 C1000=TA876:PR0:SA124 pAR0.5:0.008 LA AR0.4:0.001:1 icT0:115 midity. 5 midity .001:1 iCT0:1/5 midlv-1 (3) t5 cp>0.105U0.072:0.038-0.447 LC0.024-0.963 iC1000=TR30:FA0:SR970 C0=TA0:FR0:SA0 paRo.5:0.0008 LA 9979 (4) L5 0.108U0.076:0.035-0.449 LC0.024-0.837 iC1000=TR114:PA0:SR886 C0=TA0:FR0:SA0 PAR0.5:0.008 L AR0.4:0.001:1 iCT1:1/5 midlw-1 R0.4:0.001:1 iCTI:0/5

9981 #best paRT=paRT:0.5:.008:10:1LaR=LaR:0.3:0.001:1:ver=ver:-1; 9982 11 . To 5420.65500.160:0.163-0.915 LCO.038-0.964 iCO=TRO:PRO:SRO C1000=TA954:FR0:SA46 paR0.5:0.008 LA R0.3:0.001:1 iCT0:0/5 midity-1 9980 (5) t5 cp>0.84700.169:0.164-0.915 LCO.038-0.964 iC1000=TRO:FA23:SR977 C0=TA0:FR0:SA0 pARO.5:0.008 RO.4:0.001:1 iCT0:2/5 mid1v-1

LA

PAR0.5:0.008 L PAR0.5:0.008 9986 (5) L5 cp>0.84700.169:0.164-0.915 LC0.038-0.964 iC1000=TR0:FA23:SR977 C0=TA0:FR0:SA0 pAR0.5:0.008 R0.3:0.001:1 iCT0:2/5 mid1v-1 LC0.024-0.837 iC1000=TR114:FA0:SR886 C0=TA0:FR0:SA0 LC0.024-0.963 iC1000=TR30:FA0:SR970 C0=TA0:FR0:SA0 9985 (4) t5 cp>0.108U0.076:0.035-0.449 AR0.3:0.001:1 iCTI:1.5 midiv-1 9983 (2) t5 0.85300.154:0.163-0.915 ARO.3:0.001:1 iCTO:1/5 midlw-1 9984 (3) t5 0.10500.072:0.038-0.447

9992 (5) t5 -cp>0.84700.169:0.164-0.915 LC0.038-0.964 iC1000=TR0:FR860:SR140 C0=TR0:FR0:SR0 pAR0.5:0.008 LA 9993 LA LA LA 9989 (2) t5 0.85300.154:0.163-0.915 LC0.038-0.964 iC0=TR0:FA0:SR0 C1000=TA969:FR0:SA31 pAR0.5:0.008 R0.2:0.00111 iCT0:1/5 midity-1 par0.5:0.00111 iCT0:1/5 midity-1 par0.5:0.0011 iCT0:1/5 midity-1 par0.5:0.00 9991 (4) t5 cpp.0.10800.076:0.035-0.449: R0.2:0.001:1.1cr1:1./5 midly-1

LA 9994 (1) t5 cp>0.855U0.160:0.163-0.915 LC0.038-0.964 iC0=TR0:FA0:SR0 C1000=TA985:FR0:SA15 pAR0.5:0.008 R0.1:0.001:1 iCTD:0/5 midity-1 9995 (2) t5 cp>0.853U0 164:0 162:0 162:0 162:0 162:0 162:0 164:0 9995 (2) t5 0.85300.154:0.163-0.915 LC0.038-0.964 iC0=TR0:FA0:SR0 C1000=TA990:FR0:SA10 pARO.5:0.008 R0.1:0.001:1.1CTD:1/5 mid1y-1 pARO.5:0.001:1.1CTD:1/5 mid1y-1 pARO.5:0.001:1.1CTD:1/ R0.1:0.001:1 iCT0:2/5 midlv-1 Big FA971

10000 (1) t5 ep>0.85500.160:0.163-0.915 LCO.038-0.964 iCO=TRO:FA0:SRO C1000=TA9885:FRO:SA15 pARO.5:0.008 LA RO.01:0.001:1 iCTO:0/5 midity-1 same for LAO.1 | 10001 (2) t5 ep>0.83300.1540.163-0.915 LCO.038-0.964 iCO=TRO:FA0:SRO C1000=TA990:FRO:SA10 pARO.5:0.008 LA RO.01:0.001:1 iCTO:1/5 midity-1 | 10002 (3) t5 ep>0.10500.072:0 n39-0 10003 (4) t5 cp>0.108U0.076:0.035-0.449 LC0.024-0.837 iC1000=TR0:FA0:SR1000 C0=TA0:FR0:SA0 pAR0.5:0.008 R0.01:0.01:1 iCT1:1/5 mid1v-1 3.2 検討 以下 (a) ver:-2と同様に、parm≥0.5 (parm:.5:.008:10)上で誤受理は0(FaQ)だが、parm=0.4の偽話者1/5比指定数字

LA

plot "test_s+d1000_0_0_5_v-1.dat" using 1:2 w 1, "" using 1:2:3 w errorbars t "", \ "test_s+d1000_1_0_5_v-1.dat" using (\$1+0.1):2 w 1, "" using (\$1+0.1):2:3 w errorbars t "", 0.2,0.008 でFAIがでた。parie 0.5 とすべき!? 3.3 視覚化 ../12voicedata/allpole/ 10007 (a) ver:-2 iCT1:1/5 midlv-2) gnuplot 10011 10010

cmd="speakerdigit_v \$fsd \$nSDL \$pmin \$ytm \$PNr \$void \$gibbs \$beta \$sdP \$1T \$sdT \$ver \$pART \$LAR \$tes

10020

op tmp/testsd_stat.dat $\bar{}$../12voicedata/allpole/test_sd_1000_ $\$\{ics\}$ _ $\$\{icd\}_{5-v-2.dat}$ echo "#Done for \$test; \$pART; \$LAR" t";\$cmd 10021

10033 (3) t5 cp>0.035U0.065:0.010-0.583 LC0.002-0.999 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pARO.6:0.09 LAR 0.6:0.005:1 iCT1:0/5 mid3%-2 1.004:0.0106:1.005 mid3%-2 1.004:0.0106:1.005 mid3%-2 1.004:0.0106:1.005 mid3%-2 1.004:0.0106-0.268 LC0.002-0.999 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pARO.6:0.09 LAR 0.005:1 iCT1:1/5 mid3%-2 10031 (1) t5 cpr0.977U0.092:0.236-0.990 LC0.022-0.999 iCO=TRO:FRO:SRO C1000=TA925:FRO:SR75 par0.6:0.09 LaR
0.6:0.005:1 icTO:0.5 mid3v-2
1032 (2) t5 cpr0.943U0.151:0.147-0.990 LC0.003-0.999 iCO=TRO:FRO:SR0 C1000=TA788:FRO:SA212 par0.6:0.09 La
R0.6:0.006:1 icTO:1/9 mid3v-2

readmecan2mspeech.txt Dec 05 2019 13:52:41

LAR <0.800U0.276:0.059-0.990 LC0.002-0.999 LC1000=TR3:FA17:SR980 C0=TA0:FR0:SA0 pAR0.6:0.09 LAR</p> t5 0,97700.092:0.236-0.990 LC0.022-0.999 iC0=TR0:FA0:SR0 C1000=TA942:FR0:SA58 pAR0.6:0.09 LAR <0.035U0.065:0.010-0.583 LC0.002-0.999 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pARO.6:0.09</p> (4) t5 0.033U0.042:0.010-0.268 LC0.002-0.999 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pAR0.6:0.09 RO.5:0.005:1 iCT0:1/5 mid3v-2 10035 (5) t5 0.800U0.276 0.6:0.005:1 iCT0:2/5 mid3v-2 0.5:0.005:1 iCT1:1/5 mid3v-2 10041 (5) t5 0.80000.276 iCT1:0/5 mid3v-2 t2 10038 (2) 0.5:0.005:1

LAR

<0.80000.276:0.059-0.990 LC0.002-0.999 iC1000=TR3:FA39:SR958 C0=TA0:FR0:SA0 pAR0.6:0.09</p>

LAR t5 0.97700.092:0.236-0.990 LC0.022-0.999 iC0=TR0:FA0:SR0 C1000=TA942:FR0:SA58 pAR0.6:0.09 LAR LA <0.03500.065:0.010-0.583 LC0.002-0.999 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pAR0.6:0.09 LAR</p> LAR icT0:0/5 mid3v-2 t5 0/943U0.151:0.147-0.990 LC0.003-0.999 iC0=TR0:FA0:SR0 C1000=TA839:FR0:SA161 pAR0.6:0.09 (4) E5 SP>0.03300.042:0.010-0.268 LC0.002-0.999 iC1000=TR1000:PA0:SR0 C0=TA0:FR0:SA0 PARO.6:0.09 <0.80000.276:0.059-0.990 LC0.002-0.999 iC1000=TR3:FA39:SR958 C0=TA0:FR0:SA0 pARO.6:0.09</p> R0.4:0.005:1 iCT0:1/5 mid3v-2 10045 (3) t5 0.03500.055:0 0.4:0.005:1 iCT1:05 mid3v-2 10046 (4) t5 0.03300.042:0 0.4:0.005:1 iCT1:1/5 mid3v-2 0.5:0.005:1 iCT0:2/5 mid3v-2 0.4:0.005:1 iCT0:2/5 mid3v-2 0.4:0.005:1 10047

LAR LAR LAR LAR t5 0.943U0.151:0.147-0.990 LC0.003-0.999 iC0=TR0:FA0:SR0 C1000=TA839:FR0:SA161 pAR0.6:0.09 LA #selected? FA39=3.9%≤5% for 2/5比指定数字列 ver:-2 (1) t5 0.97700.092:0.236-0.990 LC0.022-0.999 iC0=TR0:FA0:SR0 C1000=TA942:FR0:SA58 pAR0.6:0.09 0.310.00511 iCTI:0/5 mid3v-2 10053 (4) t5 sp0.03300.042:0.010-0.268 LCO.002-0.999 iCIO00=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pAR0.6:0.09 0.310.00511 iCTI:1/5 mid3x-2.059-0.990 LCO.002-0.999 iCIO00=TR3:FA39:SR958 C0=TA0:FR0:SA0 pAR0.6:0.09 1.0054 (5) t5 sp0.80000.276:0.059-0.990 LCO.002-0.999 iCIO00=TR3:FA39:SR958 C0=TA0:FR0:SA0 pAR0.6:0.09 0.310.005:1 iCT0:2/5 mid3v-2 FA39=3.9%<5% OK (3) t5 c) 03500.065:0.010-0.583 LC0.002-0.999 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pAR0.6:0.09 0.3:0.005:1 iCT0:0/5 mid3v-2 R0.3:0.005:1 iCT0:1/5 mid3v-2 10050 10051 10052

LAR LA <0.035U0.065:0.010-0.583 LC0.002-0.999 iC10000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pAR0.6:0.09 LAR</p> LAR 10057 (2) t5 cp>0.94300.151:0.147-0.990 LC0.003-0.999 iC0=TR0:FA0:SR0 C1000=TA849:FR0:SA151 pAR0.6:0.09 IR0.2:0.005:1 iCT0:11/5 mid3y-2 l0058 (3) t5 cp>0.03510 l05510 l05 t5 v0.977U0.092:0.236-0.990 LCO.022-0.999 iCO=TRO:FA0:SR0 C1000=TA944:FR0:SA56 pAR0.6:0.09 iCT0:0/5 mid37v-2 t5 0.033U0.042:0.010-0.268 LC0.002-0.999 iC10000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pAR0.6:0.09 iCT1:0/5 mid3v-2 10059 (4)

10060 (5) t5 CD 0.059-0.990 LC0.002-0.999 iC1000=TR3:PA69:SR928 C0=TA0:FR0:SA0 pAR0.6:0.09 LAR 10061 LAR 10061 LC0:2/5 mid3v-2 FA69=6.9%>5% NG 10061 LC0:2/5 mid3v-2 FA69=6.0%>5% NG 10061 LC0:2/5 mid3v-2 FA69=6.0%</br> t5 0.97700.092:0.236-0.990 LC0.022-0.999 iC0=TR0:FA0:SR0 C1000=TA942:FR0:SA58 paR0.5:0.09 iCT0:0/5 mid3v-2 (1) 0.3:0.005:1

t5 c5 0.03500.065:0.010-0.583 LC0.002-0.999 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pAR0.5:0.09 LAR iCT1:0/5 mid3v-2 (2) t5 0.943U0.151:0.147-0.990 LC0.003-0.999 iC0=TR0:FA0:SR0 C1000=TA839:FR0:SA161 pAR0.5:0.09 LA t5 0.033U0.042:0.010-0.268 LC0.002-0.999 iC1000=TR1000:FA0:SR0 C0=TR0:FR0:SA0 pAR0.5:0.09 R0.3:0.005:1 iCT0:1/5 mid3v-10064 (3) t 0.3:0.005:1 i 10065 (4) t 10063

iCTO:0/5 mid3v-2 check paT t5 0.943U0.151:0.147-0.990 LC0.003-0.999 iCO=TRO:FA0:SR0 C1000=TA841:FR0:SA159 paR0.1:0.09 LA 10068 (1) t5 0.97700.092:0.236-0.990 LC0.022-0.999 iC0=TR0:FR0:SR0 C1000=TA943:FR0:SA57 pAR0.1:0.09 LAR iCT1:1/5 mid3v-2 0.3:0.005:1 iCT0:2/5 mid3v-2 0.3:0.005:1 10069 (2) t 0.3:0.005:1

LAR

LAR LAR LAR 10071 (4) t5 cpo.0.3310.042:0.010-0.268 LC0.002-0.999 iCI000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pAR0.1:0.09 iO.330.005:1 iCT1:1/5 mid3v-2.0.059-0.990 LC0.002-0.999 iCI000=TR3:FA41:SR956 C0=TA0:FR0:SA0 pAR0.1:0.09 iO.330.005:1 iCT0:2/5 mid3v-2.0.059-0.990 LC0.002-0.999 iCI000=TR3:FA41:SR956 C0=TA0:FR0:SA0 pAR0.1:0.09 iO.330.005:1 iCT0:2/5 mid3v-2.0.005:1 iCT0:2/5 mid3v-(3) t5 0.035U0.065:0.010-0.583 LC0.002-0.999 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pAR0.1:0.09 10069 (2) t5 0.943U0.15: R0.3:0.005:1 iCTO:1/5 mid3v-: 0.3:0.005:1 iCTI:0/5 mid3v-2 10071 (4) t5 0.033U0.043 10070

t5 c>0.80000.276:0.059-0.990 LC0.002-0.999 iC1000=TR3:FA41:SR956 C0=TA0:FR0:SA0 pAR0.01:0.09 LAR0.3 :0.005:1 iCT1:1/5 mid3v-2 :0.005:1 iCT0:2/5 mid3v-2

10080 5. 話者数字照合:ver=-1でしきい値の最適化

PARO.7:0.09 LAR

```
10093 (3) t5 cp.0.196U0.152:0.054-0.526 LC0.067-0.920 iC1000=TR0:PR0:SR0 C1000=TR0:FR0:SR231 PAR0.6:0.09 LAR
0.8:0.00521 iCT1:0/5 mid3v-1
10094 (4) t5 cp.0.195U0.149:0.056-0.493 LC0.067-0.920 iC1000=TR1000:PR0:SR0 C0=TR0:FR0:SR0 PAR0.6:0.09 LAR
0.8:0.005:1 iCT1:1/5 mid3v-1
10095 (5) t5 cp.0.539U0.160:0.264-0.776 LC0.067-0.920 iC1000=TR0:PR0:SR0 C0=TR0:FR0:SR0 PAR0.6:0.09 LAR
10095 (5) t5 cp.0.539U0.160:0.264-0.776 LC0.067-0.920 iC1000=TR0:PR0:SR976 C0=TR0:FR0:SR0 PAR0.6:0.09 LAR
10096
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10090 #selected FA24=2.5%≤5% for 2/5比指定数字列 ver:-1
10091 (1) t5 cp>0.78600.088:0.401-0.822 LCG.441-0.920 iCG=TRO:FA0:SRO C1000=TA909:FRO:SA91 pARO.6:0.09 LAR
10091 (1) t5 cp>0.78600.088:0.401-0.822 LCG.441-0.920 iCG=TRO:FA0:SRO C1000=TA909:FRO:SA91 pARO.6:0.09 LAR
10092 (2) t5 cp>0.67900.127:0.283-0.813 LCG.080-0.920 iCG=TRO:FA0:SRO C1000=TA769:FRO:SA231 pARO.6:0.09 LA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .7:0.005:1 iCT0:2/5 mid3v-1 PA83=8.3%>5% NG
10098 (5)15 cpo.0.38900.160.0.264-0.776 LC0.067-0.920 iC10000=TR0:PA136:SR864 C0=TA0:FR0:SA0 pAR0.6:0.09 LAR
0.6:0.005:1 iCT0:2/5 mid3v-1 PA136=13.6%>5% NG
10099 (5)15 cpo.0.3900.160:0.264-0.776 LC0.067-0.920 iC10009=TR0:PA332:SR668 C0=TA0:FR0:SA0 pAR0.6:0.09 LAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.005:1 iCT1:1/5 mid3v-1
10105 t5 cpo.53900.160:0.264-0.776 LC0.067-0.920 iC1000=TR0:FA33:SR967 C0=TA0:FR0:SA0 pAR0.5:0.09 LAR0.8:
0.005:1 iCT0:2/5 mid3v-1
10106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10135 (3) t5 cp>0.19600.152:0.054-0.526 LCO.067-0.920 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 paR0.7:0.09 LAR 0.80.0051 iCT1:0/5 mid3
10.36:0.0051 iCT1:0/5 mid3
10.36:0.0051 iCT1:1/5 mid3
10.36:0.0051 iCT1:1/5 mid3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        t5 0.679U0.127:0.283-0.813 LCO.080-0.920 iCO=TRO:FA0:SRO C1000=TA779:FRO:SA221 PARO.5:0.09 LARO.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             t5 0.19600.152:0.054-0.526 LC0.067-0.920 iC10000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pAR0.4:0.09 LAR0.8:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PAR0.7:0.09 LA
                                                                                                                                                                            test=test:5:1000:${ics}:${icd}:5;paRT=paRT:0.6:.09:10;LaR=LaR:0.8:0.005:1;ver=ver:-1;#best for ver:-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LAR0.8:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               t5 0.539U0.160:0.264-0.776 LCO.067-0.920 iC1000=TRO:FA33:SR967 C0=TA0:FR0:SA0 pAR0.4:0.09 LAR0.8:
                                                                                           test=test:5:1000:${iCs}:${iCd}:5:paRT=paRT:0.6:.09:10;LaR=LaR:0.3:0.005:1;ver=ver:-2;#best for ver:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PAR0.7:0.09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (5)t5 cp>0.539U0.160:0.264-0.776 LC0.067-0.920 iC1000=TR0:FA83:SR917 C0=TA0:FR0:SA0 pAR0.6:0.09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SPART SLAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.005:1 iCTO 0/5 mid3v-1 same as above
10108 t5 cpre>0.7001.1 iCTO 0/5 mid3v-1 same as above
10108 t5 cpre>0.7001.1 iCTO:1.7 mid3v-1 same as above
10109 t5 cpre>0.1009 t5 0.1009 t6 0.1009 t6 0.1009 t7 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       t5 cp>0.786U0.088:0.401-0.822 LC0.441-0.920 iC0=TR0:FA0:SR0 C1000=TA909:FR0:SA91 pAR0.5:0.09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LCO.067-0.920 iC1000=TR1000:FA0:SR0 C0=TA0:FR0:SA0 pAR0.5:0.09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     t5 0.195U0.149:0.056-0.493 LC0.067-0.920 iC1000-TR1000:FA0:SR0 C0=TA0:FR0:SA0 pAR0.5:0.09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           t5 0.786U0.088:0.401-0.822 LC0.441-0.920 iC0=TR0:FA0:SR0 C1000=TA909:FR0:SA91 pAR0.4:0.09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LC0.080-0.920 iC0=TR0:FA0:SR0 C1000=TA513:FR0:SA487
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2. 話者数字認識:(s,d)に対する九度しか使わない七度を用いる数字列判定
2.1 pakrr: 6:09:101.12kr: 6:810.005:124して話者数字
for ics in 0 1 do for icd in 0 1 do # for (1)-(4)
#for ics in 0 ido for icd in 1 do # for (1)-(4)
fect-test:5:1000:$(ics):$(icd):5:pakr=pakr: 6:09:101.12kr=Lak:0.85:005:11ver=ver:-1)
cnd="speakerdigit_v* fed %sulb. Spmin Sytu $Pvoid $qibbs $beta $sdp $17 $sd7 $ver
                                                                                                                                                                                                                                                              Sytm SPNr Svoid Sgibbs Sbeta SsdP SlT SsdT Sver
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   <0.786U0.088:0.401-0.822 LC0.441-0.920 iC0=TR0:FA0:SR0 C1000=TA909:FR0:SA91</p>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ../12voicedata/allpole/test_sd_1000_${iCs}_${iCd}_5_v-1.dat
                                                                                                                                                                                                                                                                                                                                                                                                  op tmp/testsd_stat.dat ../12voicedata/allpole/test_sd_1000_${iCs}_${icd}_5_v-1.dat
     in 0 1; do \# for (1)-(4)
n 2; do \# for (5)
                                                                                                                                                                                                                                                                   cmd="speakerdigit_v $fsd $nSDL $pmin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.679U0.127:0.283-0.813
                                                                                                                                                                                                                                                                                                                                                         $test; $parr; $Lar"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              echo "#Done for $test; $pART; $LAR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    t5 0.196U0.152:0.054-0.526
     do for iCd in
do for iCd in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cp tmp/testsd_stat.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.4:0.005:1 iCT0:2/5 mid3v-1 10100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        10101 t5 sp>0.78600.088:(
0.005:1 iCTO:0/5 mid3v-1
10102 t5 sp>0.67900.127:0
0.005:1 iCTO:1/5 mid3v-1
10103 t5 sp>0.1960015:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RO.8:0.005:1 iCTO:1/5 mid3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10133 (1) t5 0.786U0.
0.8:0.005:1 iCTO:0/5 mid3
10134 (2) t5 0.679U0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.005:1 iCT0:2/5 mid3v-1
10112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.005:1 iCT1:0/5 mid3v-1
10104 t5 0.195U0.14
for iCs in 0 1;
#for iCs in 0; d
                                                                                                                                                                                                                                                                                                                                                         for
                                                  'n.
                                                                                                                                                                       10085
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10113
10114
10115
10116
10110
10110
10120
10121
10122
10123
10123
10124
10127
                                                                                                                                                                                                                                                              10086
                                                                                                                                                                                                                                                                                                                                                         10087
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10097
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10131
```

readmecan2mspeech.txt Dec 05 2019 13:52:41 <0.598U0.170:0.265-0.809 LC0.081-0.920 iC1000=TR0:FA13:SR987 C0=TA0:FR0:SA0</p>

t7

10175 (2) t5 29.0.85300.154:0.163-0.915 LCO.038-0.964 iCO=TRO:FRO.SRO C1000=TR78:FRO:SR222 paro.7:0.008 L ARO.8:0.0011.1 icTO:11.15 midl
10176 (3) t5 29.0.10500.072:0.038-0.447 LCO.024-0.963 iC1000=TR47:FAO:SR953 CO=TAO:FRO:SAO paro.7:0.008 LA RR.0.8:0.0011.1 icTO:70.5 midl
10177 (4) t5 29.0.10800.075:0.035-0.449 LCO.024-0.837 iC1000=TR170:FAO:SR830 CO=TAO:FRO:SAO paro.7:0.008 LA ARO.8:0.001:1 icTO:75 midl
10177 (4) t5 29.0.10800.075:0.035-0.449 LCO.024-0.837 iC1000=TR170:FAO:SR830 CO=TAO:FRO:SAO paro.7:0.008 LA ARO.8:0.001:1 icTO:75 midl LAR LA RD.8:0.001:1 icTO:0/5 mid1 10181 (2) 15 55-90.85300.154:0.163-0.915 LC0.038-0.964 iCO=TR0:FA0:SR0 C1000=TA806:FR0:SA194 pAR0.6:0.008 L AR0.8:0.001:1 icTO:1/5 mid1 LA 10183 (4) t5 C) 108U0.076:0.035-0.449 LC0.024-0.837 iC1000=TR170:FA0:SR830 C0=TA0:FR0:SA0 PARO.6:0.008 LARO.8:0.001:1 iCT1:1/5 mid1 LA RO.8:0.001:1 iCTO:0/5 mid1 10187 (2) 15 5-29-0.85300.154:0.163-0.915 LCO.038-0.964 iCO=TRO:FAO:SRO C1000=TA817:FRO:SA183 pARO.5:0.008 L ARO.8:0.001:1 iCTO:1/5 mid1 LAR LA LAR LAR 10188 (3) t5 0.105U0.072:0.038-0.447 LC0.024-0.963 iC1000=TR47:FA0:SR953 C0=TA0:FR0:SA0 pAR0.5:0.008 LA LAR < 0.679</p>< 0.283</p>< 0.200</p>< 0.092</p>< 10.05</p>< 0.092</p>< 0.092</p> LAR LAR LAR (1) t5 0.855U0.160:0.163-0.915 LCO.038-0.964 iCO=TRO:FA0:SR0 C1000=TA900:FR0:SA100 pAR0.7:0.008 SPART SLAR 10182 (3) t5 0.10500.072:0.038-0.447 LC0.024-0.963 iC1000=TR47:FA0:SR953 C0=TA0:FR0:SA0 pAR0.6:0.008 R0.8:0.001:1 iCT1:0/5 mid1 <0.855U0.160:0.163-0.915 LC0.038-0.964 iC0=TR0:FA0:SR0 C1000=TA926:FR0:SA74 pAR0.6:0.008</p> <0.85500.160:0.163-0.915 LC0.038-0.964 iC0=TR0:FA0:SR0 C1000=TA933:FR0:SA67 pAR0.5:0.008</p> 0.8:0.005:1 icTl:0/5 mid3 10142 (4) t5 epo.19500.149:0.056-0.493 LCO.067-0.920 iC1000=TR1000:FA0:SR0 CO=TR0:FR0:SA0 pAR0.6:0.09 0.8:0.005:1 iCTl:1/5 mid3 10143 (5) t5 epo.19500.149:0.056-0.493 LCO.067-0.920 iC1000=TR1000:FA0:SR0 CO=TR0:FR0:SA0 pAR0.6:0.09 RO.8:0.005:1 icr0:1/5 mid3 10141 (3) t5 cp-0.19600.152:0.054-0.526 LC0.067-0.920 iC1000=TR1000:FA0:SR0 CO=TA0:FR0:SA0 pAR0.6:0.09 t5 0.786U0.088:0.401-0.822 LC0.441-0.920 iC0=TR0:FA0:SR0 C1000=TA909:FR0:SA91 pAR0.6:0.09 <0.786U0.088:0.401-0.822 LC0.441-0.920 iC0=TR0:FA0:SR0 C1000=TA909:FR0:SA91 pAR0.5:0.09</p> (5) t5 c> 0.847U0.169:0.164-0.915 LC0.038-0.964 iC1000=TR0:FA7:SR993 C0=TA0:FR0:SA0 pAR0.7:0.008 2.2 検討 以下 (a)誤受理は、(1)-(4)すべてで無かった(FAO).(2)で1/5非数字であるが指定話者なので1/5以下の非数字は受理 (b)誤棄却は、(1)-(4)すべてで無かった(FRO)。 (c)paRO.6:0.09で、指定話者が全て指定数字を発した(1)の場合、受理が90.9%(TA907)、受理保留が9.1%(SA91) C1000=TA779:FR0:SA221 pAR0. cmd="speakerdigit_v \$fs \$fd \$nSDL \$pmin \$ytm \$PNr \$void \$gibbs \$beta \$sdP \$1T \$sdT \$ver test=test:5:1000:\${!Cs}:\${!cd}:5;paRT=paRT:.6:.008:10;LaR=LaR:0.8:0.001:1;ver=ver:-1; echo "#\$test;\$paRT;\$LaR" $\label{eq:testsd_stat.dat} $$ i.12$ voicedata/allpole/test_s+d1000_${i.cs}_${i.cs}_s-1. $$$ 3 話者+数字認識:(s,d)に対する光度しか使わない光度を用いる数字列判定 3.1 LbxR:0,6:0.008:1, pART-85ART::8:008:10として話者+数字 for ics in 0.1 do for icd in 0.1 do #for ics in 0.0 do for icd in 2.1 do <0.679U0.127:0.283-0.813 LC0.080-0.920 1C0=TR0:FA0:SR0</p> echo "#Done for \$test; \$pART; \$LAR" AR0.8:0.001:1 iCT0:0/5 mid1 R0.8:0.005:1 iCT0:1/5 mid3 0.8:0.005:1 iCT0:2/5 mid3 iCT0:0/5 mid3 0.8:0.005:1 iCTO:2/5 mid3 0.8:0.001:1 iCTO:2/5 mid1 0.8:0.001:1 iCTO:2/5 mid1 0.8:0.005:1 iCT0:2/5 t2 10140 (2) t5 £ (1) t5 (5) t5 (1) t5 10139 (1) 10146 (2) 10164 3 ## 10165 3.1 10166 4 # for 10166 # for 10169 ech 10170 cmd test",5cmd 10171 ech 10173 don 10173 don 10173 don 10173 don 10152 10153 10154 \$\frac{1}{4}\infty\$ 10155 10156 10184 10178

```
PAR0.5:0.008 L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (5) t5 0.0847U0.169:0.164-0.915 LCO.038-0.964 iC1000=TR0:FA7:SR993 C0=TA0:FR0:SA0 pAR0.5:0.008 LAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cmd="speakerdigit_v $fsd $nSDL $pmin $ytm $PNr $void $gibbs $beta $sdP $1T $sdT $ver $pART $LAR $tes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #test=test:4:1000:0:0;#test:4:<n>:<rids>:<ridd>, for <n>=num_of_samples, <rids>=inCorrect_speakers_r
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #testrecs:00. #testres:00 for testing given sdp and sdr, sdp=sdp:0:0:1:2:3:4:5:6:7:8:9; #sdp:<speaker>:cdp=sdp:0:0:1:2:3:4:5:6:7:8:9; #sdp:<speaker>:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               and digits
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10196 (d)pARO.6:0.008で、指定語者が1/5非指定数字を発した(2)の場合、受理が80.6%(TA926)、受理保留が1.4%(SA74) 10197 (d)pARO.6:0.008で、指定語者が1/5非指定数字を発した(2)の場合、受理が80.6%(TA806)、受理保留が19.4%(SA1 10197 (d)pARO.6:0.008で、排指に話者(3)と(4)では正葉却が4.7%(TR47)と17.0%(TR170)とかなり低い。(低すぎ?) 0.98(5)セキュリティの面からは(11)記載権助はあっても良いが誤受理は無くしたい。一方、実用面からは(11)正解入力 10199 pARO.6:0.008で「指定話者+2/5非指定数字列の(5)の場合、誤受理が0.7%(PA7)あったが、「指定話者は数字列の(5)の場合、誤受理が0.7%(PA7)あったが、「指定話者は数字 可違いが少なければ受理する」という観点からは 10200 容認できる。(1)と(11)の両面で容認できると考える。 11201 (g)ver:-1では pART: cpA>: cpA>: cpA>: cr>の cpR>の設定は難しく、試行錯誤で行った。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                speakerdigit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10205 2013/02/18の「3.3 検討」と「4.3 検討」の
10206 1. 2013/02/18の「3.3 検討」と「4.3 検討」の
10206 (5) セキュリティの面からは「4) 誤受理は無くしたい。一方、実用面からは(ii) 正解入力時の誤棄却は無くし、受
理率は高く、保留は少なくしたい、
10208 という点について、次の案を導入した。
10209 (案) 指定話者については数字間違いが十分少なければ(下の例では<tD>=5個の数字のうち<tran>=1個程度が間違
10209 (案) 指定話者については数字間違いが十分少なければ(下の例では<tD>=5個の数字のうち<tran>=1個程度が間違
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #threshold of probability p for pmincp<1-pmin
#yrm:1:<a>:ca>:ca>:ca>:ca> for method to get <a>.ca> pwr</a> for -a</a> yth < +a
#yrm:0 for method to determine yth using PNr:0.9 (see ICONIP2012)
#yrm:0 use void (see ICONIP2012) not available now
                                                                                                                                                                                                                                              、ココチ ( ) b) 誤棄却は、(1)-(4)すべてで無かった(FRO)。
10195 (o)paRo.6:0.008で、指定話者が全て指定数字を発した(1)の場合、受理が92.6%(TA926)、受理保留が7.4%(SA74)
                                                                                                                                                               10192 5.2.4 婚計
10193 (a)誤受理は、(1)-(4)すべてで無かった(PAO),なお(2)で1/5非数字であるが指定話者なので1/5以下の非数字は
数据する。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   fasted:./l2voicedata/allpole/oob4si-1N40mbas2:300:1.61.y:fde"" #file name of y of speaker fastes:./l2voicedata/allpole/oob4si-1N40mbas2:300:1.61.y: #file name of y of speaker fastes:./l2voicedata/allpole/oob4s:-lN40mbas2:300:1.61.y: #file name of y of speaker fastes:./l2voicedata/allpole/oob4s:-lN40mbas2:300:1.61.y: #file name of y of digit mSDL=stabs:7:10:10 #file name of y of digit and dates glabbs=glabbs:1; #file name of y of digit and dates glabbs=glabbs:1; #file name of y of digit and dates glabbs=glabbs:1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               # <t_iCd>:<tD> for number <t_iCd> of incorrrect digits in <tD> digits
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               speaker
                      10189 (4) E5 C).108UO.076:0.035-0.449 LCO.024-0.837 iC1000=TR170:PA0:SR830 C0=TA0:FR0:SA0 ARO.8:0.001:1 iCT1:1/5 midl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 sdT=sdT:0:0:1:2:3:4:5:6:7:8:9) #sdT:<speaker>:<digitl>:<digitl>: . . . for testing #lm:-1. #lm:-1. #lm:-1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cp tmp/testsd_stat.dat ../12voicedata/allpole/test_sd1000_${iCs}_${iCd}_5.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       5.1.指定語者+指定数字列のテスト
(2)指定語者+指定数字列のテスト
(4)非指定語者+1/5指定数字列のテスト
(4)非指定語者+1/5指定数字列のテスト
(5)指定語者+1/5非指定数字列のテスト
(5)指に話者-1/5非指定数字列のテスト
Efor Ect Sin 0.1 to for icd in 0.1 do #for (1)-(4)
#for ics in 0.1 do for icd in 0.1 do #for (1)-(4)
#for ics in 0.1 do for icd in 0.1 do #for (5).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #1T:<1> for testing data of <1>-th date #method of calculating probability
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    受理する。ただし偽話者については数字がすべて正しくても受理しない。これによってセキュリティを保ちながら実用性が格段に増す結果を得た!?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2. デフォールトオプション(以下の3,4,...の実行の前に次の設定をすること)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #inverse temperature beta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             echo "#Done for $test;$pART;$LAR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ate, cricd>=incorrect_digits_rate.
1021 #tes=rest00;
1022 sdp=sdp:00:1:2:3:4:5:6:7:8:
when test_id=0
1023 sdT=sdT:00:1:2:3:4:5:6:7:8:1
1023 TT=IT:1:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ytm=ytm:1:0.9:1000;PNr="";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ### 以上をコピペして実行する
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3. 話者数字列照合(嫁崎):
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #ytm=ytm:0;PNr=PNr:0.9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10254 3.2 結果
10255 (1) t5 0.977U0.09
R0.91:0.001:1 icT0:0/5 mid3
R0.8:0.001:1 iCT1:0/5 mid1
                                                                                                              0.8:0.001:1 iCT0:2/5 mid1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    pmin=pmin:0.01;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               void=void:0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ver=ver:-2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             beta=beta:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        done; done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10209 (案
っていても)
10210
10211 こわ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        10247
10248
t";$cmd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10212
10213
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10216
10217
10218
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10227
10228
10229
10229
10231
10232
10234
10236
10236
10237
10238
10240
10240
10241
10241
10243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10226
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

Page 162

10256 (2) t5 CPO.943U0.151:0.147-0.990 LCO.003-0.999 iCO=TRO:FAO:SRO C1000=TA765:FRO:SA235 pARO.85:0.09 L ARO.91:0.0011 icCT011/5 mid3
10257 (3) t5 CPO.035U0.065:0.010-0.583 LCO.002-0.999 iC1000=TR1000:FAO:SRO C0=TA0:FRO:SAO PARO.85:0.09 LA RO.91:0.0011 iCTT1:0/5 mid3 10258 (4) t5 cypo.03300.042:0.010-0.268 LCO.002-0.999 iC1000=TR1000:PA0:SR0 C0=TA0:FR0:SA0 pAR0.85:0.09 LA R0.91:0.001:1 iCTT1:1/5 mid3
1029 (5) t5 cypo.800002.76:0.059-0.990 LCO.002-0.999 iC1000=TR0:PA6:SR994 C0=TA0:FR0:SA0 pAR0.85:0.09 LAR 10260 (5) t5 cypo.800002.76:0.059-0.990 LCO.002-0.999 iC1000=TR0:PA6:SR994 C0=TA0:FR0:SA0 pAR0.85:0.09 LAR 10260 (3):3 検討

(a)課受理は、(1)-(4)すべてで無かった (byo). (2)で1/5非指定数字であるが指定語者なので1/5以下の非数字は 10262 (3受理する。

10265 (d)指 字なので容認。 10266 (e)非

10266 (e)非指定話者(3)と(4)では正葉却が1008(TR=1000)。 10267 (f)セキュリティの面からは(1)誤棄却はあっても良いが誤受理は無くしたい。一方、実用面からは(11)正解入力 0場合(1)の受理率は高くしたい。 10268 指定話者+2人5非指定数字列の(5)の場合、誤受理が0.08(FAG)あったが、「指定話者は数字間違いが少なけれ は受理する」という観点からは

10269

cmd="speakerdigit_v \$fs \$fd \$nSDL \$pmin \$ytm \$PNr \$void \$gibbs \$beta \$sdP \$1T \$sdT \$ver \$pART \$LAR \$ 容認できる。(1)と(11)の両面で容認できると考える。 (3)尤度による数字列判定は未解析だが、解析必須。 4. 話者+数字(植木): 10272 10273 10274 10275 10275 10277 10281 10281 10281 10283 10284 test";\$

tmp/testsd_stat.dat ../12voicedata/allpole/test_s+d1000_\${ics}_\${icd}_5.dat echo "#Done for \$test; \$pART; \$LAR" СĎ

10285 10286 10287

(1) t5 0.960U0.153:0.072-0.990 LC0.003-0.998 iC0=TR0:FA0:SR0 C1000=TA864:FR0:SA136 pAR0.8:0.05 LA done;done ### 以上をコピペして実行する。 4.2 結果 10289 10288

R0.91:0.001:1 iCTO:0/5 mid1 10291 (2) t5 cpc>0.6100.142:0.069-0.990 LCO.003-0.998 iCO=TRO:FA0:SR0 C1000=TA665:PR0:SA335 pAR0.8:0.05 LA 10292 (3) t5 cpc>0.2100.044:0.010-0.345 LCO.002-0.998 iCIOO0=TR971:PA0:SR29 C0=TA0:FR0:SR0 pAR0.8:0.05 LAR 10292 (3) t5 cpc>0.02100.044:0.010-0.345 LCO.002-0.998 iCIOO0=TR980:PR0:SR29 C0=TA0:FR0:SR0 pAR0.8:0.05 LAR 10293 (4) t5 cpc>0.2200.049:0.010-0.456 LCO.002-0.858 iCIOO0=TR980:PR0:SR20 C0=TA0:FR0:SR0 pAR0.8:0.05 LAR 0.91:0.001:1 icri:1/5 mid: 10294 (5) t5 cp>0.95600.163:0.062-0.990 LCO.003-0.998 iC1000=TR980:FR0:SR998 C0=TA0:FR0:SA0 pARO.8:0.05 LARO.91:0.001:1 icro:2/5 mid: 10295

- アッペン 「maps 指定話者 (3)と (4)では正葉却が 97.1% (TK971)と98.0% (TK980)である。 10302 (1.セキュリティの面からは (1.)誤棄却はあっても良いが誤受理は無くしたい。一方、実用面からは (11.)正解入力 の場合 (1.)の受理率は高くしたい。 10303 指定話者-2.55非指定数字列の (5)の場合、誤受理が 0.2% (FA2)あったが、「指定話者は数字間違いが少なけれ 10304 家認できる。(1.)と (11.)の両面で容認できると考える。 10305 (9)尤度による数字列判定は未解析だが、解析必須。 (b) 誤棄却は、(1)-(4)すべてで無かった (FRQ)。 (c)指征指者が会て指抗数字を第1た (1)の場合、受理が 86.48(TA864)、受理保留が 13.68(SA136)。 (d)指定語者がよい5非指定数字を発した (2)の場合、受理が 66.58(TA665)、受理保留が 33.58(SA335)。1/5非指定数 10296 4.3 検討 10297 (3)誤受理は、(1)-(4)すべてで無かった(FAO),なお(2)で1/5非指定数字であるが指定話者なので1/5以下の非 10298 (b)誤棄却は、(1)-(4)すべてで無かった「FPO) 10300 (d)指 字なので容認。 10301 (e)非 10299

<TR>はFNより少し小さめに設定すればよいと考えられる。 10311 ver:-1 り少し小さな値、 10312 <1 10307 10308 10309

5.2.1 paRT: 85:.09:10;LAR:0.8:0.005:1として話者数字
for ics in 0 1; do for icd in 0 1; do
for ics in 0 1; do for icd in 2; do
test=cest:5:1000;\${LC3}:\${LC3}:\${LC3}:\${LC3}:\$\$paRT=paRT:.85:.09:10;LAR=LAR:0.8:0.005:1;ver=-1;
cmd="speakerdigit_u \$fsd \$fsDL \$pmln \$ytm \$pNr \$void \$gibbs \$beta \$sdP \$1T \$sdT \$ver \$paRT \$LaR \$tes

```
10322 (1) t5 cpo. 97700.092 po.236-0.990 LC:0.022-0.999 iCO=TRO:FRO:SRO C1000=TA907:FRO:SA93 pARO.85:0.09
LARO.8:0.005:1 iCTO:0/5 mid3
10323 (2) t5 cpo. 94300.151 po.147-0.990 LC:0.032-0.999 iCO=TRO:FRO:SRO C1000=TA907:FRO:SA232 pARO.85:0.09
LARO.8:0.005:1 iCTO:11/5 mid3
10324 (3) t5 cpo. 03500.065 po.010-0.583 LC:0.002-0.999 iC1000=TR1000:FRO:SRO C0=TA0:FRO:SA0 pARO.85:0.09
LARO.8:0.005:1 iCTO:11/5 mid3
10325 (4) t5 cpo. 03300.045 po.010-0.268 LC:0.002-0.999 iC1000=TR1000:FRO:SRO C0=TA0:FRO:SA0 pARO.85:0.09
1ARO.8:0.005:1 iCTI:1/5 mid3
10326 (5) t5 cpo. 03300.076 po.059-0.990 LC:0.002-0.999 iC1000=TR1000:FRO:SRO C0=TA0:FRO:SA0 pARO.85:0.09
1ARO.8:0.005:1 iCTI:1/5 mid3
10326 (5) t5 cpo. 03000.076 po.059-0.990 LC:0.002-0.999 iC1000=TR3:FA6:SR991 C0=TA0:FRO:SA0 pARO.85:0.09 L0300.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050-0.0050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10350 (2) t5 cp>0.961U0.142:0.069-0.990 LCO.003-0.998 iCO=TRO:PRO:SRO C1000=TR833:PRO:SR167 pARO.8:0.008 L ARO.8:0.001:1 iCTO:11/5 midl 10351 (3) t5 cp>0.021U0.044:0.010-0.345 LCO.002-0.998 iC1000=TR35:PRO:SR965 C0=TA0:FRO:SR0 pARO.8:0.008 LA RO.8:0.001:1 iCTT:0/5 midl 10352 (4) t5 cp>0.021U0.044:0.010-0.345 LCO.002-0.998 iC1000=TR35:PA0:SR965 C0=TA0:FRO:SR0 pARO.8:0.008 LA 10352 (4) t5 cp>0.022U0.049:0.010-0.456 LCO.002-0.858 iC1000=TR137:PA0:SR863 C0=TA0:FRO:SR0 pARO.8:0.008 L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             plot "test_s+d1000_0_0_5_v-1.dat" using 1:2 w 1, "" using 1:2:3 w errorbars t "", \
"test_s+d1000_1_0_5_v-1.dat" using ($1+0.1):2 w 1, "" using ($1+0.1):2:3 w errorbars t "", 0.2,0.008
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cmd="speakerdigit_v $fs $fd $nSDL $pmin $ytm $PNr $void $gibbs $beta $sdP $lT $sdT $ver $pART $LAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PAR0.8:0.008
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (5) t5 0.956U0.163:0.062-0.990 LC0.003-0.998 iC1000=TR0:FA12:SR988 C0=TA0:FR0:SA0 pAR0.8:0.008
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10333 (e)非指定語者 (3)と (4)では正葉却が1008 (TR=1000)。 10.335 (e)非指定語 (1)非指定語 (1)非指定語 (1) の要用 (1) の受用 (1) では正葉却が1008 (TR=1000)。 10.335 (E) 計算の (1) の要用 (1) の要用 (1) の要用 (1) の場合 (1) の要用 (1) の場合 (1) の場 (1) の場合 (1) の (2) の場合 (1) の (2) の (3) の (3) の (4) の (5) の (5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10330 (b)誤棄却は、(1)-(4)すべてで無かった(FRO)。
10331 (c)指定話者が全て指定数字を発した(1)の場合、受理が90.7%(TAA907)、受理保留が9.3%(SA93)。3.2より良い。
1332 (d)指定話者が1/5非指定数字を発した(2)の場合、受理が76.8%(TA768)、受理保留が23.2%(SA232)。1/5非指定数字なので容認。
10333 (e)非指定話者(3)と(4)では正葉却が100%(TR=1000)。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5.2.2 検討
(a)誤受理は、(1)-(4)すべてで無かった(PAO), (2)で1/5非数字であるが指定話者なので1/5以下の非数字は受理
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10355 5.2.4 検討
10356 (a)誤受理は、(1)-(4)すべてで無かった(FAO)なお(2)で1/5非数字であるが指定話者なので1/5以下の非数字は
変異する。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     指定数
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        10349 (1) t5 cp>0.960U0.153:0.072-0.990 LC0.003-0.998 iC0=TR0:FA0:SR0 C1000=TA928:FR0:SA72 p
10350 (2) t5 cp>0.961III 1/10:0.0/5 mid1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ../12voicedata/allpole/test_s+d1000_${iCs}_${iCd}_5_v-1.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           5.2.3 LAR:0.8:0.005:1, paRT=pART:.8:.008:10として話者+数字
for ics in 0.1 do for icd in 0.1; do
#for ics in 0; do for icd in 2; do
test=test:5:1000:$[ics]:${icd}:5:paRT=pART:.8:.008:10;LAR=LAR:0.8:0.001:1;ver=-1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2013/02/18
1. 適日 (2013/02/13) の1.の考えに従って、次の要領のプログラムを作成し、実験した:
「数字単伝形では数字を正しく発声したと判断できるときのみ受理判定をする」手法について、
指定数字列に対し、受理 (Accept)、棄却 (Reject)、保留 (Suspend)の判定を以下の手順で行う。
(過日 (2013/02/13)と少し違う)
$test;$pART;$LAR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       echo "#Done for $test; $pART; $LAR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ../12voicedata/allpole/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         echo "#$test;$pART;$LAR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RO.8:0.001:1 iCTO:2/5 mid1
echo "#Done for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5.2.4 視覚化
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    gnuplot
plot "te
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10342 #for
10343 test
10344 echc
10345 cmd
test";$cmd
10346 echc
10347 cp t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10364
10365
10366
10367
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10329
$ 5°
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10369
10370
10371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10328
```

10435 #(3)#非指定話者+指定数字列のテスト結果 #Done for test:5:1000:1:0:5;pART:.85:.09:10;LAR:0.91:0.001; 10436 t5 cp.0.035 U0.065 pm0.010 pM0.583 LCm0.002 LCM0.999 R1000=TR1000:PA0:SR0 A0=TA0:FR0:SA0 PAR0.85:0.0 iC::0/5 mid3

10433 t5 20.943 U0.151 pm0.147 pM0.990 LCm0.003 LCM0.999 R1000=TR0:FA9:SR991 A0=TA0:FR0:SA0 ic0:1/5 mid3

10439 t5 cp>0.033 U0.042 pm0.010 pm0.268 LCm0.002 LCm0.999 R1000=TR1000=TR100SFA0:SR0 A0=TA0:FR0:SA0 pARO.85:0.0

iC1:1/5 mid3

10442 (a)課 10443 (b)課 10444 (c)指 25.8%(SA258)

(a)誤受理は、上の(2)で0.9%(=9/1000; FA9)あったが、それ以外の誤受理は無かった(FA0)。 (b)誤棄却は、上の(1)-(4)すべてで無かった(FR0)。 (c)指定語者が指定数字を発した(1)の場合、受理が74.2%(TA742)、受理保留(SA;受理すべきだが保留と判断)が A258)。(?まあまあ?)

10438 #(4)#非指定話者+1/5指定数字列のテスト結果 #Done for test:5:1000:1:1:5;parr:.85:.09:10;LaR:0.91:0.00

10428 3.2 結果 10429 #1.1.1.1.指位指者-指定数字列のテスト結果#Done for test:5:1000:0:0:5;part:.85:.09:10;LaR:0.91:0.001 10430 t5 cp>0.977 U0.092 pm0.236 pw0.990 LCm0.022 LCW0.999 R0=TR0:FA0:SR0 A1000=TA742:FR0:SA258 pAR0.85:0. 10431 #(2)-#指定話者+1/5非指定数字列のテスト結果 #Done for test:5:1000:0:1:5;part:.85:.09:10;LaR:0.91:0.00

readmecan2mspeech.txt Dec 05 2019 13:52:41

```
# allow cLAB-maccept_Likelihood, cLRB-ereject_Likelihood, cLRB-ereject_Likelihood, cLRB-ereject_Likelihood, cLRB-ereject_Likelihood, cLRB-ereject_Likelihood, cLRB-ereject_Likelihood, cLRB-ereject_Likelihood, 10397 # test=test:5:(np:crbs:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:ct_iCd>:c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Stes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      $te
                                                                                                                                                                                                                                                                                                                                     2. ブログラム: speakerdigit v.c
2.1 デフォールトオブション(以下の3,4,...の実行の前に次の設定をすること)
pART=pART: 85:.20:10:#pART: spA>: spA>: spA>=accept_barchihood, <RA>=reject_prob, <T>=rerminal_time.
LAR=LAR:0.9:0.001:0; #LAR:<LA>: cLA>: cLAD> for cpA>=accept_Likelihood, <LR>=reject_Likelihood, 
allow <LAD>—ismacching of digits
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          speakerdigit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #threshold of probability p for pmincpcl-pmin
#threshold of probability p for pmincpcl-pmin
#ytm:1:<a>:cn> for method to get cn> samples for a < yth < +a
#ytm:0 for method to determine yth using PNr:0.9 (see ICONIP2012)
#void:1 for use void (see ICONIP2012) not available now
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #cmd="speakerdigit_v $fsd $nSDL $pmin $ytm $PNr $void $gibbs $beta $sdP $lT $sdT $ver $pART $LAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3.1 東行
3.1 東行
### 以下をコピペレて実行する
for ics in 0 1 i do for icd in 0 1; do
cmc=tecs:5:1000:$(ics):$(icd):$(paRT=paRT: 85:.09:10;LaR=LaR:0.91:0.001:0;
cmcd="speakerdigit_v $fsd $nSDL $pmin $yem $PNr $void $gibbs $beta $sdP $1T $sdT $ver $paRT $LAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   speaker and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  dat.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       for testing
tmp/testsd_stat.dat ../12voicedata/allpole/test_sd_test1000_${ics}_${icd}_5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       sdT=sdT:0:0:1:2:3:4:5:6:7:8:9; #sdT:<speaker>:<digit1>:<digit2>:...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              echo "#Done for $test; $pART; $LAR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             pmin=pmin:0.01;
ytm=ytm:1:0.9:1000;PNr="";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      done;done
### 以上をコピペして実行する
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                話者数字列照合(塚崎):
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #ytm=ytm:0;PNr=PNr:0.9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        void=void:0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       when test_id=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          СD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     st";$cmd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               t";$cmd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10402
10403
104004
10406
10406
10406
10400
10411
10411
10411
10411
10411
10411
10410
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10423
10424
10425
10426
                                                                                                                                                                                                                                                                                                                                                 10391
                                                                                                                                                                                                                                                                                                                                                                                                                     10393
10394
10395
10396
10397
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10422
                                                                                                                                               10385
10386
10387
10388
10389
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10427
```

10481

10496

```
шd
                                                                                                   pmin

    →「本人が1008指に通りに発声していると判断できるときのみ受理判定をする」というのは無望り

→ 数学到の中で 井や 以上同じだと参段では安照率が高く会り、現立できた。
    →「本人が4個の数字中3個以上、指で通りに第百していると判断できるときの多受理判定をする」ことは

rA rR
                                                                                                                                                                                          ランダムな数字列は棄却または保留にし(受理しない)、誤った判定をしないことができることを示す。
結果として、数字を10個(または数字5個を2回入力)入力して判定すれば実現できる。が、。。
解釈:t=10で、偽陽性と偽陰性が0を違成できる。ただし、若干数の保留があり、非指定数字列が
ランダム数字列の場合である。
                                                                                                                                                                                                                                                                       →「テキスト指定形ではテキストを正しく発声したと判断できるときのみ受理判定をする」ことと
                                                                                                                                                                                                                                                          「本人が5個の数字中 4個以上、指定通りに発声していると判断できるときのみ受理
                                                                                                                                                                                                                                                                                    と矛盾する?しない?
```

10467

10554 (20130211) 2. 辟 衛文融 を行う前に、まず、話者CAN2、数字CAN2、語者数字CAN2の分類性能を上げる。
10555 (20130211) 2.1 賭 有CAN2
10556 time cob4speakerdigite sprins: imas: mkk: mkc: mms: mkc: mms: mx. xzero: ichi: ni: san: yon: gor: roku: nana: hachi: kyu nzi.ichi: k: san: yon: gor: roku: nana: hachi: kyu nzi.ichi: k: san: yon: gor: roku: nana: hachi: kyu nzi.ichi: k: san: yon: gor: roku: nana: hachi: kyu nzi.ichi: xserui. zin '. /12voicedata/alipole/oob4s: -1N40mbas2: 300: 1.6: 1. ystat. '. /12voicedata/alipole/oob4s: -1N40mbas2: 300: 1. ystat. '. /12voicedata/alipole/oob4s: -1N40mbas2: 300: 1. ystat. '. /12voicedata/alipole/oob4s: -1N40mbas2: 300: 1. ystat. '. /12voicedata/alipole/oob4d: -1N4

Dec 05 2019 13:52:41

readmecan2mspeech.txt

```
'../12voicedata/allpole/oob4d:
                                                                                                                10675 #result in '.../12voicedeta/allpole/obd43-1.1030mbas2:300:1.6:1.y' and '.../12vo IN30mbas2:300:1.6:1.y' and '.../12voicedeta/allpole/obd43-1.1030mbas2:300:1.6:1.y' and '.../12voicedeta/allpole/obd43-1.1030mbas2:300:1.6:1.y' and '.../12voicedeta/allpole/obd43-1.1030mbas2:300:1.6:1.y' and '.../12voicedeta/allpole/obd43-1.1030mbas2:300:1.01420 0.99254 0.01746 0.02857 6.57596e-05 700 1 #TP.TM, PP.FM.ERR.n.txm0 10679 0.99254 0.00476 0.02857 11.29252e-04 700 2 #TP.TM, PP.FM.ERR.n.txm1 10679 0.99254 0.00476 0.08571 1.25282e-04 700 2 #TP.TM, PP.FM.ERR.n.txm3 10680 0.94286 0.99302 0.00357 0.04286 8.39002e-05 700 3 #TP.TM, PP.FM.ERR.n.txm3 10680 0.94286 0.99302 0.00357 0.08571 1.25894e-04 700 5 #TP.TM, PP.FM.ERR.n.txm3 10680 0.99283 0.00317 0.08571 1.25894e-04 700 5 #TP.TM, PP.FM.ERR.n.txm3 10680 0.99289 0.09554 0.00875 0.00857 11.25898e-04 700 6 #TP.TM, PP.FM.ERR.n.txm3 10680 0.99280 0.01270 0.01871 1.25892e-04 700 7 #TP.TM, PP.FM.ERR.n.txm3 10680 0.99285 0.00030 0.10270 0.10000 0.100998e-04 700 8 #TP.TM, PP.FM.ERR.n.txm3 10680 10.0000 0.99365 0.00030 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.100000 0.100000 0.100000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0
                                                                                                                                                                                                                                                               txm1
txm2
txm2
txm3
txm3
txm4
txm5
txm6
txm7
txm6
6 mbas:2:300:1.6:1 dir:../l2voicedata/allpole d:-1 N:30 #real30m58.751suser25m53.165ssys1m34.238s
       k:36
```

服合:指定 話者+指 定数 字列をテスト 2-1 で±100_00 95%の 下限と・1500_0,9の 95%の 上限として求めた で=55.7 だよ100_00 カチン イーの 下限 (95%)と、±100_0.9のエラーバーの 上限

:5:6:7:8:9 L.y nSDL:7:10:10 | sdT:0:0:1:2:3:4: 違ってAcceptしない)になる?

\$pART

test:4:1000:0:0 ; grep selected tmp/testsd.dat

1Rejec pmin pmi rR

pmin pmin

pmin шd 2 ceb: -1.100.0.v. v. v. y step statected ump/CrestGa.dat.

10692 #selected nlb < Pep-0.00288564+-0.00501104 < PRN>0.190525+-0.208323 TotalUncertainty0.0539505(k2)

10693 #selected nlb < Pep-0.00288564+-0.00501104 < PRN>0.190525+-0.208323 TotalUncertainty0.0539505(k2)

10694 0.0.11 2.06085e-16 0.01 0.01 0.1 0.01 #t cpred to the control of the c pmin rA rR

pmin pmin rA rR rA +DC+ <D>-QC-<</p> <q><</p> CC CC ¢₫∨ <dv # # 0.99 0.99 0.993103 0.991 0 0.480712 0 0.542637 ax<-0.988Accept OReject(pA0.89,pR0.38) 10703 9 0.984671 0.0435382 0.875499 0

шď шd

Шď

- 値はpa0.95) ric0_0)に対し間違ってRejectしない (OReject)ことが分かる . 68は保留される。 ax<-0.991Accept OReject(pAO.89, pR0.38)
10704 10 0.985513 0.70718 0.894984 0.992648 0.993 (
ax<-0.993Accept OReject(pAO.89, pR0.38)
10705 #1447 0.97Acceptを選収(推催(はため.95)
10707 #1-10で指定指者指定数で(対策をデ列(rico_0)に対し間違って
10707 #1-10で指定指者指定数字列(rico_0)に対し間違って
10708 # 10708 3.8受理し、残りの0.6%は保留される。
10709 0.01 2.06085e-16 0.01 0.01 0 1 0.01 0.01 #t

pmin pmax<-OAccept lRejec pmin pmi +DC+ -DD-<d> <q><</p>

pmi rR rA rR $_{\rm rR}$ rA +DC+ -DD-<d> <D>- \(\Omega\) VC < Q>

pmi рша pmi nimd rA rR<rp><rp><rp><rp><rp><rp><rp> -DD-<d>> <D>- MC-<q>< VC < Q>

<q><</p>

. 42) {値 kpAo,95) | xi100 0)に対し間違ってRejectしない (0Reject)ことが分かる | 0.48は保留される。

шd

pmin

 $_{\rm rR}$

rA

шd

(20130211) 3.4-5 話者数字列照合:指定話者+90%非指定数字列をテスト 新手法 ytm:1:0.9:1000 parr=parr:.85:.42:4 #下の 3.5-1 でrico_0の95%の下限と、rico_0.9の95%の上限として求めた parr=parr:.89:.38:5 #この図でt=5におけるrico_0のエラーバーの下限 (95%)と、rico_0.9のエラーバーの上限(て求めた

T=10でric0_0でrR=0(間递ってRejectしない), ric0_0.9でrA=0(間递ってAcceptしない)になる?

:ni:san:yon:go:roku:nana:hachi:kyu ntxi

zero:ichi

άχ

oob4speakerdigit+ sp:fhs:fms:mkk:mko:mmt:mnh:mym

<UC- <p><+UC+ rA rR pmin pmax<-0Accept lRejec</p> pmi

rR <TC+ rA</p> L(pA0.89,pR0.38) 10731 1 0.102411 0.446264 -0.0499006 1.38786 0.097 0.897 0.01 0.920496 #t cp>-UC -UC -

rR

max<-0.009Accept 0.847Reject(pA0.89,pR0.38)
10733 3 0.125511 0.320454 - 0.0375115 0.059510 0.014 0.89 0.01 0.99 #t <pre>cp. 0.0 pt. 0.0 pt. 0.0 pt. 0.0375115 0.0595150 0.014 0.89 0.01 0.99 #t cp. 0.0 pt. 0.0 pt. 0.032011 0.320454 0.0375115 0.0595150 0.014 0.89 0.01 0.973665 #t cp. 0.0 pt. 0.032011 0.320454 0.0375115 0.0595150 0.014 0.89 0.01 0.973665 #t cp. 0.0 pt. 0.032011 0.0292011 0.0293013 0.0593531 0.006 0.932 0.01 0.973665 #t cp. 0.0 pt. 0.0540cept 0.932Reject(pA0.89,pR0.38)
10735 5 0.113414 0.26538 -0.020997 0.53566 0.004 0.929 0.01 0.975355 #t cp. 0.0440cept 0.929Reject(pA0.89,pR0.38)
10736 6 0.112045 0.034519 0.05759 0.004 0.93 0.01 0.980499 #t cp. 0.0 cp. 0.0 cp. 0.0 cp. 0.0460cept 0.929Reject(pA0.89,pR0.38)
10737 7 0.109683 0.225174 -0.0085591 0.471012 0.003 0.948 0.01 0.956176 #t cp. 0.0 cp. 0.0 cp. 0.0 cp. 0.0085591 0.471012 0.003 0.948 0.01 0.956176 #t cp. 0.0 cp. 0.0 cp. 0.008591 0.471012 0.003 0.948 0.01 0.956176 #t cp. 0.0 cp. 0.0 cp. 0.008591 0.471012 0.003 0.948 0.01 0.956176 #t cp. 0.0 cp. 0.0 cp. 0.008591 0.471012 0.003 0.948 0.01 0.956176 #t cp. 0.0 cp. 0.0 cp. 0.008591 0.471012 0.003 0.948 0.01 0.956176 #t cp. 0.0 cp. 0.0 cp. 0.008591 0.471012 0.003 0.948 0.01 0.956176 #t cp. 0.0 cp. 0.0 cp. 0.008591 0.471012 0.003 0.948 0.01 0.956176 #t cp. 0.0 cp. 0.0 cp. 0.0 cp. 0.008591 0.471012 0.003 0.948 0.01 0.956176 #t cp. 0.0 cp. 0.0

pmax<-0Accept +UC+ rA rR pmin

10746 10.012411 0.02039E-18 0.01 0.01 0.10 11 #L sp 0C sp>0C sp>0C - Ep>0C - E

n pmaxx-0.003Accept 0.96Reject(pA0.85,pR0.42) 1075x8 0.107311 0.207229 0.004014020 0.437111 0.002 0.958 0.01 0.91361 #t cp> UC cp>-UC- cp>+UC+ rA rR pm 11075x 0.10731 0.199914 -0.00136688 0.423515 0.001 0.968 0.01 0.992408 #t cp> UC cp>-UC- cp>+UC+ rA rR pm 11075x 0.105211 0.199914 -0.00136688 0.433515 0.001 0.968 0.01 0.892408 #t cp> UC cp>-UC- cp>+UC+ rA rR pm 11075x 10 0.101247 0.1814456 0.0023216 0.388828 0 0.974 0.01 0.839314 #t cp> UC cp>-UC- cp>+UC+ rA rR pmin pp rR pmi pmax<-0.005Accept 0.94Reject(pA0.85,pR0.42) 10752 7 0.109683 0.225174 -0.0085591 0.471012 0.003 0.96 0.01 0.956176 #t UC -UC- -UC+

maxx-0Accept 0.974Reject(pA0.85,pR0.42) 10756 #t+4で0.94Skejectを整成で 指定 (指定 機体 pRo.95) 10757 #t+10で指定 語の 2083非指定 数字列 (rico_0.9)を開達ってAcceptしない (OAccept) 10758 #このとき、99.8は薬却されるが、のこりの.8%は保留になる。

#(1) rico_0の95%の下限と、rico_0.9の95%の上限を求める plot "test_sd_rico_0ytml_0.984%-def=" using 1:2.0 w1, "" using 1:2:3 w errorbars, \ "test_sd_rico_0.9ytml_0.984%-def=" using (51+0.1):2 w 1, "" using (51+0.1):2:3 w errorbars #pakr=pakr: 85:42:4 #この図でt=4におけるrico_0のエラーバーの下限(95%)と、rico_0.9のエラーバーの上限 (20130211) 3.5 結果の視覚化と考察 (20130211) 3.5-1 視覚化 cd ../12voicedata/allpole/ gmuplot 10762 10763 10764 10765

10767 #pakr=pakr: 85:.42:4 #この図でt=4におけるrico_0のエラーバーの下限(95%)と、rico_0.9のエラーバーの」 10768 #pakr=pakr: 89:.38:5 #この図でt=5におけるrico_0のエラーバーの下限(95%)と、rico_0.9のエラーバーの」 10768 #pakr=pakr: 89:.38:6 #この図でt=5におけるrico_0のエラーバーの下限(95%)と、rico_0.9のエラーバーの」 10769 ## t=10でrico_0でre=0(間違ってRejectしない)、rico_0.9でra=0(間違ってAcceptしない)になる? 10770 #

#(2) riCO_0でrR=0(間違ってRejectしない), riCO_0.9でrA=0(間違ってAcceptしない)にするしきい値を求め #plot "test_sd_riCO_0ytml_0.9N40.dat" using 1:2 w 1, "" using 1:2:4:5 w errorbars, \ #"test_sd_riCO_0.9ytml_0.9N40.dat" using (\$1+0.1):2 w 1, "" using (\$1+0.1):2:4:5 w errorbars #parT=parT: 68: 60:4 #正と負の不確かさでpa,prを決定するのははあまり見くない

plot "test_sd_ricO_Oytml_0.9N40.dat" using 1:2 w 1, "" using 1:2:8:9 w errorbars, \ "test_sd_ricO_Oytml_0.9N40.dat" using (\$1+0.1):2 w 1, "" using (\$1+0.1):2:8:9 w errorbars w errorbars b. 18:1-10でのピンタ(ricO_0.9)のエラーバーの上限の上、0.54:1-11ので移(ricO_0)のエラーバーの下限の下、#1+10で、pR+e-0.54(ricO_0.90 pmin(8)の下)ならば間違ってRejectしない #1+10で、pR+e-0.54(ricO_0.90 pmax(9)の上)のとき間違ってAcceptしない #1+14なので条件を補充する #1+10で、pA+e-0.85(ricO_0.90 pmax(9)の上)のとき間違ってAcceptしない

readmecan2mspeech.txt Dec 05 2019 13:52:41

Page 170

(20130211) 3.2 数字CAN2/Cよる数字列照合 (20130211) 3.2-1 数字列照合:指定監者+指定数字列をテスト pART=pART: 85: 33:4

10786 speakerdigit_v fd:../12voicedata/allpole/oob4d:-1N40mbas2:300:1.6:1.y nSDL:7:10:10 pmin:0.01 \$paRT y tm:1:0.9:1000 pNr:0.9 void:0 gibbs:1 beta:1 sdP:0:0:12:3:4:5:6:7:8:9 IT:1 sdT:0:0:11:2:3:4:5:6:7:8:9 ver:-2 test4:1000:0:0 grep selected tmp/tested.dat tmp/testad.dat tmp/testad.ata...dat ../12voicedata/allpole/test_d_ric0_0ytm1_0.9N40.dat 10787 op tmp/testad_stat.dat ../12voicedata/allpole/test_d_ric0_0ytm1_0.9N40.dat pmin.pmax<-0Accept lRejec 10788 0 0.01 2.06085e-16 0.01 0.10 1 0.01 0.10 0.01 #t cp> UC cp>-UC- cp>+UC+ rA rR pmin pmax<-0Accept lRejec

ax<-0.992Accept 0Reject(pA0.85.pR0.33)
ax<-0.995Accept 0Reject(pA0.85.pR0.33)
ax<-0.955Accept 0Reject(pA0.85.pR0.33)
ax<-0.955Accept 0Reject(pA0.85.pR0.33)
ax<-0.955Accept 0Reject(pA0.85.pR0.33)
ax<-0.956Accept 0Reject(pA0.85.pR0.33)
ax<-0.956Accept 0Reject(pA0.85.pR0.33)
ax<-0.956Accept 0Reject(pA0.85.pR0.33)
ax<-0.956Accept 0Reject(pA0.85.pR0.33)
ax<-0.996Accept 0Reject(pA0.85.pR0.33)
ax<-0.996Accept 0Reject(pA0.85.pR0.33)
ax<-0.996Accept 0Reject(pA0.85.pR0.33)

10800 (20130211) 3.2-5 数字列照合:指定話者+90%非指定数字列をテスト 10801 pART=PART: 38:3.334 10802 part=PaRT: 38:3.334 10802 part=Part: 38:3.34 10802 part=Part: 38:3.4 10802 speakerdigit v fd:../l2voicedata/allpole/oob4d:.lN40mbas2:300:1.6:1.y nSDL:7:10:10 pmin:0.01 SpART y tm:1:0.9:1000 PNr:0.9 void:0 gibbs:1 beta:1 sdP:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 test:1:1000:0:0.9 grep selected tmp/Crested.dat 10803 cp tmp/Crested_stat.dat ../l2voicedata/allpole/test_driftO_0.9ytml_0.9N40.dat 10804 0 0.01_2.06085e-16 0.01 0.10 10.01 0.01 #t cp> UC cp>-UC- cp>+UC- xp xr R pmin pmax<-OAccept lRejec

plot "test_d_riCO_09tml_0.9N40.dat" using 1:2 w 1, "" using 1:2:8:9 w errorbars, \
"test_d_riCO_0 5 ytml_0.9N940.dat" using 1:1.2 w 1, "" using 1:2:8:9 w errorbars
"test_driCO_0 5 ytml_0.9N940.dat" using (\$1.40.1):2 w 1, "" using (\$1.40.1):2:8:9 w errorbars
0.85:t=10°T のピンク (ricO_0.9)のエラーバーの下限の上, 0.54:t=10°T 様 (ricO_0)のエラーバーの下限の下,
t=10°T、pak=0.76(triCO_0のpmin(8)の下)ならば間違ってRejectしない
paArropART: 85:.33:4 なので条件を適大す

шd

rR

rA

+DC+ +DC+<d>

rA rR

rA rR pmin pma

1Rejec

pmin pma

rR

rA

\$parr y

pmi шd

<TY</p>

Dec 05 2019 13:52:41

```
pmax<-0.655Accept 0.345Reject(pA0.89.pR0.38)
10860 2 0.706183 0.52948 -0.205993 0.5092 0.284 0.01 0.99 #t cp> UC cp>-UC- cp>+UC+ rA rR pmin pmax<-0.502Accept 0.284Reject(pA0.89.pR0.38)
10860 2 0.706183 0.765904 0.4966 -0.0621846 1.06622 0.51 0.198 0.01 0.99 #t cp> UC cp>-UC- cp>+UC+ rA rR pmin pmax<-0.51Accept 0.198Reject(pA0.89.pR0.38)
10862 4 0.801096 0.436144 0.155547 1.06392 0.604 0.093 0.01 0.99 #t cp> UC cp>-UC- cp>+UC+ rA rR pmin pmax<-0.604Accept 0.093Reject(pA0.89.pR0.38)
10863 5 0.20282 0.20282 0.202836 1.0641 0.642 0.084 0.01 0.99 #t cp> UC cp>-UC- cp>+UC+ rA rR pmin pmax<-0.604Accept 0.093Reject(pA0.89.pR0.38)
10863 6 0.2028282 0.20286 0.202836 0.2028282 0.004 0.099 #t cp> UC cp>-UC- cp>+UC+ rA rR pmin pmax<-0.604Accept 0.094Reject(pA0.89.pR0.38)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           max-0.566Accept 0.14Reject(pA0.89,pR0.38)
10882 4 0.837369 0.416046 0.117286 1.05471 0.693 0.086 0.01 0.99 #t VC V
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     x<-0.025Accept 0.828Reject(pA0.89,pR0.38)
10850 7 0.198164 0.381765 -0.041172 0.76233 0.014 0.817 0.01 0.978173 #t cp> UC cp>-UC- cp>+UC+ rA rR p n pmax<-0.014Accept 0.17Reject(pA0.89,pR0.38)
10851 8 0.190521 0.364038 -0.0296354 0.757419 0.011 0.801 0.01 0.984885 #t cp> UC cp>-UC- cp>+UC+ rA rR p
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10841 speakerdigit_v fd:../12voicedata/allpole/oob4d:-IN40mbas2:300:1.6:1.y nSDL:7:10:10 pmin:0.01 :
min:10.9:1000 pm:0.9 void:0 glbbs:1 beq=1 sdp:0:0:1:2:3:4:5:6:7:8:9 IT:1 sdT:0:1:2:3:4:5:6:7:8:9 test:4:1000:10:7 ; grep selected ump/restsd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10855 (20130211) 3.2-7 数字列照合:指定話者+25%非指定数字列をテスト (4個のうち3個同じ) 10856 speakerdigity-V fd:../Lytoicedatextallpple/oob4d:-LN40mbas2:300:1.6:1.y nSD::77:10:10 pmin:0.01 に tm:1:0-9:1000 pMr:0.9 void:0 gibbs:1 beta:1 aGP:0:1:2:3:4:5:6:7:8:9 IT:1 adT:0:0:1:2:3:4:5:6:7:8:9 test-4:1000:0:0.5 j grep selected tmp/testsd.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 <rp><rp><rp><rp><rp><rp><rp>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           <D> UC >UC-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    <d><</p>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.66Accept 0.074Reject(PA0.89,PR0.38)
0.66Accept 0.074Reject(PA0.89,PR0.38)
0.66Accept 0.074Reject(PA0.89,PR0.38)
0.66Accept 0.074Reject(PA0.89)PR0.38)
0.0865 7 0.086127 0.0378eject(PA0.89)PR0.38)
0.0866 8 0.875662 0.293551 0.373325 1.02462 0.682 0.037 0.0594502 0.99 #t cp> UC cp>-UC-pmax<-0.074Reject(PA0.89,PR0.38)
0.0885/0.0000 0.037Reject(PA0.89,PR0.38)
0.0867 8 0.276578 0.418652 1.02245 0.032 0.0490326 0.99 #t cp> UC cp>-UC-pmax<-0.705Accept 0.032Reject(PA0.89,PR0.38)
0.0885/0.0000 0.2276578 0.418652 1.02245 0.032 0.0490326 0.99 #t cp> UC cp>-UC-pmax<-0.715Accept 0.032Reject(PA0.89,PR0.38)
0.08868 10 0.289148 0.261737 0.447508 1.01981 0.711 0.027 0.057251 0.99 #t cp> UC cp>-UC-pmax<-0.711Accept 0.027Reject(PA0.89,PR0.38)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               UC 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            <UC- <p><+UC+ rA rR pmin</p>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         <l><l><l></ti></ti></ti></tb></tb></tb></tb></tb></tb></tb></tb></tb></tb></tb></tb></tb><t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       <D> UC <D> -UC -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.99 #t  UC -UC-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           using 1:2:3 w errorbars,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               <d><</p>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (20130211) 3・2-7 数字列照合 :指定語者+758非指定数字列をテスト (4個のうち1個同じ)
pakt=paktr:85:.33:4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.984246 #t UC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            -DC-<d>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.99 #t UC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        in pmax<-0.011Accept 0.801Reject(pA0.89,pR0.38)
10852 9 0.183133 0.32563 -0.0259613 0.730427 0.006 0.856 0.01 0.984246 #t <1
10852 9 0.183133 0.32563 -0.0259613 0.730427 0.006 0.856 0.01 0.984246 #t <1
10853 10 0.177904 0.332454 -0.0264351 0.670692 0.009 0.841 0.01 0.962098 #t 
min pmax<-0.009Accept 0.841Reject(pA0.89,pR0.38)
10854
10855 (20130211) 3.2-7 数字列照合:指定話者+258非指定数字列をテスト (4個のうち 
10856 speakerdigit_v fd:../12voicedata/allpole/oob4d:-IN40mbas2:300:1.6:1.y )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DC C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DG
D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     x<0.06Accept 0.803Reject(pA0.89,pR0.38)
10847 4 0.23551 0.487417 -0.0555574 1.04488 0.046 0.746 0.01 0.987916 #t.
pmax<-0.046Accept 0.746Reject(pA0.89,pR0.38)
10848 5 0.222077 0.45032 -0.0520382 0.894208 0.054 0.744 0.01 0.99 #t cp>
ax<-0.054Accept 0.744Reject(pA0.89,pR0.38) 0.054 0.744 0.01 0.99 #t cp>
10849 6 0.208079 0.444F93 -0.056042 0.814112 0.025 0.828 0.01 0.99 #t cp>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3.2-7 数字列照合:指定話者+20%非指定数字列をテスト (5個のうち4個同じ)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10842 cp tmp/testsd_stat.dat ../12voicedata/allpole/test_d_riCO_0.75ytml_
10843 0 0.01 2.06085e-16 0.01 0.01 0 1 0.01 0.01 #t cp> UC cp>-UC- cp>+UC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #t UC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            L(PAO.89)pR0.38)
10844 1 0.1219216 0.632991 -0.12242 1.39343 0.225 0.775 0.01 0.960305 #t · promack-0.255accept 0.775eject(pAO.89)pR0.38)
10845 2 0.268792 0.581868 -0.109759 1.17248 0.067 0.733 0.01 0.99 #t cp> x<-0.0678accept 0.7338eject(pAO.89)pR0.38)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.960305 #t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #(1) rico_0の95%の下限と、rico_0.9の95%の上限を求める
plot "eset_d_rico_0/vmil_0.9vM40.dat" using 1:2 w 1, "" usin
"test_d_rico_0.55yml_0.98440.dat" using 1:2 w 1, "" using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  L(pa0.89, pR0.38)

10879 1 0.6748 0.673173 -0.394186 1.09865 0.716 0.284 0.01 0.96(

max-0-7146.000 0.284Reject(pA0.89, pR0.38)

10880 2 0.738737 0.5752 -0.20262 1.09876 0.572 0.258 0.01 0.99 3

0.572Accept 0.258Reject(pA0.89, pR0.38)

10881 3 0.850286 0.464299 -0.000903325 1.06088 0.566 0.14 0.01 (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            gnuplot
#(3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10874
```

pmax<-OAccept 1Rejec

rR

rA

pmin

rA rR

rA rR

+DC+ +DC+<</p> 1Rejec

pmax<-0Accept

rR

SPART

rA rR pmin

r,R

кĄ

readmecan2mspeech.txt

```
rA rR pmin p
                                                                                     ntxi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu ntxi
N:50
                                                                                                                                        pmin
                                                                                                                                                                                                                                                     pmi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu
                                                                                                                                                                                                                                                        rA
                                                                                                                                                                                                                                                        +DC+
                                                                                                                                                                                              +DC+
                                   +DC+
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              積りは
                                                                                                                                                                                                                                                     約80%=1-exp(-1.6)=0.798 を学習し、
                                                                                                                                                                                              2. 評価実験を行う前に、まず、話者 CAN2,数字 CAN2,話者数字 CAN2の分類性能を上げる。
パギング学習で、alpha=1.6のとき、与えられたデータの内、約80%=1-exp(-1.6)=0.798 を学習し
投りを予報することとなり、予測性能が長くなる可能性がある。
(なお、alphaを大きくすると来知ず一タに対する汎化能力の見報1のバラツキが大きくなるので、
通常は、alpha=0.7として50%学習し、幾り50%を予測するものを使っている。今回は汎化能力の見。
                                   -DD-<d>>
                                                                                                                                                                                                                                                                                                                                                                                                                                                       pmax<-0.75Accept 0.045Reject(pA0.89,pR0.38)
10886 8 0.896988 0.045Reject(pA0.89) pmax<-0.75 0.026 0.0161059 0.99 #t cp> UC cypnax<-0.75Accept 0.045Reject(pA0.89).PR0.38)
10886 8 0.896988 0.269128 0.423134 1.02302 0.75 0.026 0.0146688 0.99 #t cp> UC cypnax<-0.75Accept 0.026Reject(pA0.89,pR0.38)
10887 9 0.905592 0.249603 0.442557 1.01819 0.775 0.024 0.0273286 0.99 #t cp> UC cypnax<-0.775Accept 0.024Reject(pA0.89,pR0.38)
10888 10 0.914911 0.226281 0.492345 1.01428 0.794 0.017 0.0397317 0.99 #t cp> UC 10889
10890
10891
pmax<-0.712Accept 0.061Reject(pA0.89,pR0.38)
10846 0.8975109 0.315229 0.316854 1.0313 0.718 0.047 0.020631 0.99 #t <pre>cp> UC cp> UC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0 #TP_TN_FP,FN,ERR,n,CD
1 #TP_TN_FP_FN_ERR,n,CD
2 #TP_TN_FP_FN_ERR,n,CD
3 #TP_TN_FP_FN_ERR,n,CD
4 #TP_TN_FP_FN_ERR,n,CD
6 #TP_TN_FP_FN_ERR,n,CD
6 #TP_TN_FP_FN_ERR,n,CD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10946 #FESSIL in '../12vo.cedata_allpole_oob4s:-INSOmbas2:3010046 #FESSIL in '../12vo.cedata_allpole_oob4s:-INSOmbas2:30101.051.ystat'.
10947 oob4speakerdigit+ sp:fhs:fms:mkk:mkc:mmt:mmh:mym tx:ze:10948 oob4speakerdigit+ sp:fhs:fms:mkk:mkc:mmh:mym tx:ze:10948 oob4s2:300:1.6:1 dir.:./12voicedata_allpole d:-1 N:SO:10949 o.95714 0.99683 o.0317 0.04286 6.57566=05 700 0 #TP:10951 o.95714 0.99683 o.0317 0.04286 6.57566=05 700 0 #TP:10951 o.94429 o.99683 o.0317 0.04576 0.0571 1.337876=04 700 1 #TP:10951 o.94428 o.99244 o.00476 0.0571 1.337876=04 700 2 #TP:10953 o.99681 0.9805 o.01909 0.01429 0.09000 1.00000 0.10000 1.42857=04 700 5 #TP:10954 o.90000 1.00000 0.10000 1.42857=04 700 5 #TP:10954 o.90000 1.00000 0.10000 1.31519e=04 700 6 #TP:10956 o.91429 0.99365 0.00635 0.08571 1.31519e=04 700 6 #TP:
                                                                                                                                                                                                                                                                                                                                                                                                                 10893
                                                                                                                                                                                                                                                                                                                                                                                                                                             10894
```

10956 0.88571 0.99365 0.00635 0.11429 1.72336e-04 700 7 #TP,TN,FP,FN,ERR,n,txm7 10957 0.91429 0.98571 0.01429 0.08571 1.4287e-04 700 8 #TP,TN,FP,FN,ERR,n,txm8 10958 0.98571 0.99356 0.00635 0.01429 2.94785e-05 700 9 #TP,TN,FP,FN,ERR,n,txm8 10959 #result in '../lxvoicedata/allpole/oob4di-lN50mbas2:300:1.6:1.ystat'.

nana:hachi:kyu ntx '../12voicedata/allpole/oob4d: :rokn: tx:zero:ichi:ni:san:yon:go: : mkk: mko: mmt: mnh: mym sp:fhs:

7below ->0.7below 7below ? ->0. .0<- : ٥. txm2 txm3 txm4 txm5 txm6 txm7 txm8 txm9 txm1 txm1 txm1 txm2 txm3 txm4 txm5 txm8 txm9 txm0 txm1 txm2 txm4 txm5 txm6 txm7 txm8 txm8 txm9 txm0 txm1 txm3 txm4 txm5 txm2 txm3 txm4 txm5 txm1 txm7 txm9 txm1 ERR, n, smo ERR, n ,ERR,n,sm6 ,ERR,n,sm6 ### The Tin, Fep. Frn, Err. n. ss
Th ERR,n, #TP, TN, FP, FN, ERR, n, ... //12xcicedata/allpole sd.
5. 0.00000 1.0352e-05 700 0
0.000000 1.42679e-06 700 0
0.000000 1.42679e-06 700 0
0.000000 0.12118e-06 700 0
0.000000 0.12118e-06 700 0
0.000000 0.00000e+00 700 0
0.00000 0.144079e-06 700 0
0.00000 0.10739e-06 700 0
0.00000 0.144079e-06 700 0
0.00000 0.144079e-06 700 0
0.00000 0.144079e-06 700 0
0.00000 0.10709e-06 700 0
0.00000 0.144079e-06 700 0
0.00000 0.00000e-00 700 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100

tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:ky sp:fhs:fms:mkk:mko:mmt:mnh:mym #参考#oob4speakerdigit+ -1N50mbas2:300:1.6:1.ystat/

./12voicedata/allpole/oob4sd:-1N50mbas2:300:1.6:1.y'

#result in

./12voicedata/allpole/oob4sd

readmecan2mspeech.txt Dec 05 2019 13:52:41

Page 174

11044 #8 % #4

11045 #8 % #cob4sepeakerdigit+ sp:fhs:fms:mkk:mko:mmt:mnh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:ky

11045 #8 % #cob4sepeakerdigit+ sp:fhs:fms:mkk:mko:mmt:mnh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:ky

11046 #8 % #eob4sepeakerdigit+ sp:fhs:fms:mkk:mko:mmt:mnh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:ky

11047 #8 % ##result in '../lzvoicedata/allpole/oob4sd:3:7N40mbas2:300:1.6:1.y' and '../lzvoicedata/allpole

11048 #8 % #d-./lzvoicedata/allpole/oob4sd:3:7N40mbas2:300:1.6:1.y' and '../lzvoicedata/allpole

11050 #8 % #d-./lzvoicedata/allpole

11051 #8 % #cat oob4sd:1:2N30mbas2:300:1.6:1.y >> \$d/allpole/oob4sd.y

11051 #8 % #cat oob4sd:1:2N30mbas2:300:1.6:1.y >> \$d/allpole/oob4sd.y

11053 #8 % #cat oob4sd:1:2N30mbas2:300:1.6:1.y >> \$d/allpole/oob4sd.y

11053 #8 % #cat oob4sd:1:2N30mbas2:300:1.6:1.y >> \$d/allpole/oob4sd.y 11069 3.1-3 酷者照合:指定話者+非指定数字列をテスト 新手法 ytm:1:0.9:1000 11070 speakerdigit_v fs:../12voicedata/allpole/oob4s:-1N5ombas2:300:1.6:1.y nSDL:7:10:10 pmin:0.01 pART::5 5.0.25:4 ytm:1:0.9:1000 pNr:0.9 void:0 gibbs:1 beta:1 sdp:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8 19 ver:-2 test:4:1000:1:1 grep selected tmp/tested.dat 11074 3.1-4 話者照合:非指定話者+非指定数字列をテスト 新手法 ytm:1:0.9:1000
11075 speakerdigit_v fs:.,12voicedata/allpole/oob4s:-IN50mbas2:300:1.6:1.y nSDL:7:10:10 pmin:0.01 pART::5
5:0.25:4 ytm:1:0.9:1000 pNr:0.9 void:0 gibbs:1 beta:1 sdP:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8
5:0 ver:-2 test:4:1000:1:1 ; grep selected tmp/testsd.adt
11076 cp tmp/testsd_stat.dat .,/12voicedata/allpole/test_s_riCl_lytml_0.9.dat 11079 3.1-5 話者照合:指定話者+90#非指定数字列をテスト 新手法 ytm:1:0.9:1000 11080 speakerdigity v fs:../Lyoulcedstallaplo-Loob4s:-1N800masa2:3001.6:1.y nSDL:7:10:10 pmin:0.01 pART:.5 5:0.25:4 ytm:1:0.9:1000 PM::0.9 void:0 gibbs:1 beta:1 adp::0:11:2:3:4:5:6:7:8:9 IT:1 sdT::0:0:1:2:3:4:5:6:7:8 9 ver:-2 test:4:1000:0:0.9 ; grep selected tmp/restsd dat 11081 cp tmp/testsd_stat.dat ../12voincedata/allpole/test_s_x1CO_0.9ytml_0.9.dat 11082 #10 0.9783 0.0872864 #t cpre>puncertainty_p(k2) ~- Accept! 11084 3.2 数字CANZICよる数字列照合 11088 3.2-1 数字列照台:指定盖者卡指定数字列をテスト 新手法 ytm:1:0.9:1000 11085 3.2-1 数字列照台:指定盖者卡指定数字列をテスト 新手法 ytm:1:0.9:1000 11086 speakerdigit上y fd:../Izyoicedata/allpole/oob4d:-IN50mbas2:300:1.6:1.y nSDL:7:10:10 pmin:0.01 pakrr:.5 5:0.25:4 ytm:1:0.9:1000 pwr:0.9 void:0 glbbs:1 beta:1 adp:0:0:11:2:3:4:5:6:7:8 9 lT:1 sdT:0:0:11:2:3:4:5:6:7:8 9 ver:-2 test:4:1000:0:0 i grep selected tmp/testsd.dat 11087 pc proped_stat.dat ../Izyoicedata.Allpole/test_alzto_Uptml_0.9.dat 11087 pc prod_St3956 #t cps uncertainty.pkt2) <-- Accept: 11089 #selected n266 cpp.0:0142857+-6.93889e-18 cpn.0:0505042+-0.0367064 TotalUncertainty0.0197034(k2) pmin:0.01 pART:.5 nSDL:7:10:10 pmin:0.01 pART:.5:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8 11041 #8 # 4coob4speakerdigit+ sp:fhs:fms:mkk:mko:mmt:mnh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:ky
un tx:i10 k:36 mbas:2:30011.6:1 dir:../12voicedata/allpole sd:118 N:30
11042 #8 #4 #0.70000 1.00000 0.00000 0.30000 4.28571e-04 700 18 #Tp.TN,Fp.FN,FRR,n,sml txm8
11043 #8 # ##result in './12voicedata/allpole/oob4sd:1:8N30mbas2:300:1.6:1.y' and '../12voicedata/allpole/oob4sd:1:8N30mbas2:300:1.6:1.y' and '../12voicedata/allpole ../12voicedata/allpole 11064 3.1-2 話者照合:非指定話者+指定数字列をテスト 新手法 ytm:1:0.9:1000 11065 speakerdigit_v fs:../12voicedata/allpole/oob4s:-1N50mbas2:300:1.6:1.y nSDL:7:10:10 ; 5.0.254 ytm:1:0.9:1000 PML:0.9 void:0 gibbs:1 beta:1 sdp:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:11066 cp tmp/testsd star Aar FN, ERR, n, sml 11091 3.2-2 数字列照合:非指定話者+指定数字列をテスト 新手法 ytm:1:0.9:1000 11092 pasederedidid-v fd:../12vo/cedate/allpole/cobdd:-Lym50mbas2:3001.6:1.y nss1 5:0.25:4 ytm:1:0.9:1000 PM::0.9 void:0 gibbs:1 beta:1 sd0:0:1:2:3:4:5:6:7:8:9 ytm:1:0.9:1000:1:0.; grep selected timp/testsd dat pup/testsdad stat.ddt ../12voicdad allpole/test_dxicl_oytml_0.9.dat 11094 #10 0.984677 0.0446609 #t cpp uncertainty_P(k2) <-- Accept! ::36 mbas:2:300:1.6:1 dir:../l2voicedata/allpole sd:1:2 N:30 ## #0:7000 0.99855 0.00145 0.3000 4.30642e-d4 700 1 2 #TP.TN.FP.FN.ET ## ## :7.7000 0.99855 0.70145 0.7000 0.7000 0.700 2 test:4:1000:0:1; grep selected tmp/testsd.dat pp.pp/testsd.stz.co_lytml_0.9.dat epp tmp/testsd_stat.dat .../12voicedta/allpole/test_s_rico_lytml_0.9.dat #10 0.978367 0.112399 #t. epp uncertainty_p(k2) <-- Accept! cp tmp/testsd_stat.dat ../lZvolcedata/all.purc/_______ #10 0.0178423 0.0450369 #t cp> uncertainty_p(k2) <-- Rejecti 3.1-4 酷者照合:非指定語者+非指定数字列をテスト speakerdigit_v fs:../12voicedata/allpole/oob4s 2N30mbas2:300:1.6:1.ystat ntxi:10 k:36 # # # # 111050 111051 111052 111053 111055 111056 111057 111058 11062 11063 11064 11065 11074 11083 11084 11085 11078

Dec 05 2019 13:52:41

Dec 05 2019 13:52:41

```
11214
11215
11216
11217
11221
11222
11223
11224
11226
11227
11228
11229
11229
11229
11229
11229
11229
11231
11233
11233
11233
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11190
11191
11192
111193
111194
111195
111196
111198
111199
111200
                                                                                                                                                              11166
11167
11168
11169
11170
                                                                                                                                                                                                                                                                                                                                                                                                 11173
111174
111174
111175
111176
111177
111179
111180
111181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  111184
111184
111185
111186
111187
111188
                                                                                                                                                                                                                                                                  11101 3.2-4 数字列照合:非指定話者+非指定数字列をラスト 新手法 ytm:1:0.9:1000
11102 speakerdigit_v fd:../12voicedata/allpole/oob4d:-IN50mbas2:300:1.6:1.y nSDL:7:10:10 pmin:0.01 pART:.5
510.25:4 ytm:1:0,9:1000 pMr:0.9 void:0 gibbs:1 beta:1 sdp:0:0:1.2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8
19 ver:-2 test:4:1000:11; j reps selected tmp/testsd.dat
11103 cp tmp/testsd.stat.dat ../12voicedata/allpole/test.dat riol_1ytml_0.9.dat
11104 #10 0.0114425 0.00955936 #t cp verification | Vision | Vision
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11137 3.4 話者数字CANZLよる数字列照合
11137 3.4-1 話者数字列照合:指定話者+指定数字列をラスト 新手法 ytm:1:0.9:1000
11138 speakerdigit-V fsdi.../12voicdeata/allpole/oob4sdi-1NSOmbas2:300:1.6:1.y nSDL:7:10:10 pmin:0.01 paRT:
155:0.25:4 ytm:1:0.9:1000 pMr:0.9 void:0 gibbs:1 beta:1 aRP:0:0:1:12:3:44:5:6:77:8:9 lT:1 sdT:0:0:1:2:3:44:5:6:7
18:9 ver:-2 test:4:1000:0:0 / grep selected tmp/testsd.dat
11139 cpt tmp/testsda_stat_dat ../12voicdeatalallpole/test_dat_clocomput_0.9.dat
11139 cpt lwp/testsda_stat_dat ../12voicdeatalallpole/test_Arco_Ovtml_0.9.dat
11141 #selected n0 <PPS:0:0317949 #t <pre>cp>0:0307949 #t cp>0:0307949 #t cp>0:045046+-0.00401117 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11096 3.2-3 数字列照合:指定話者+非指定数字列をテスト新手法 ytm:1:0.9:1000
11097 speakerdigit_v fd:../12voicedata/allpole/oob4d:-1N50mbas2:300:1.6:1.y nSDL:7:10:10 pmin:0.01 pART:.5
5:0.25:4 ytm:1:0.9:1000 PNx:0.9 void:0 gibbs:1 beta:1 sdP:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11144 speakerdigit_v fsd:../l2volcedata/allpole/oob4sd:-LN50mbas2:300:1.6:1.y nSDL:7:10:10 pmin:0.01 pART::550.2554 yrun:10.9:1000 pw:0.9 voidit of pibbs:1 beta:1 sdP:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7 l1145 op tmp/testsd_stat_r in / 2mp selected tmp/testsd_dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11148 3.4-3 話者数字列照合:指定話者+非指定数字列をテスト 新手法 ytm:1:0.9:1000
1149 speakerdigity Fedi:../12voicadetakalipole/oob4ed:-UNSOMbass2:3001.16:1.y nSDL:7:10:10 pmin:0.01 pART:
55:0.25:4 ytm:1:0.9:1000 pMr:0.9 void:0 gibbs:1 beta:1 adP:0:0:1:2:3:4:5:6:7:8:9 ]T:1 sdT:0:0:1:2:3:4:5:6:7
8:9 ver:-2 test:4:1000:0:1 ; grep selected tmp/testsd.dat
11150 cp tmp/testsd.atat.dat ../12voicedatah.lpple/test_ad_ir(0-1)tml_0.9.dat
11151 and tmp/testsd.atat.dat ../12voicedatah.lpple/test_ad_ir(0-1)tml_0.9.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11154 speakerdigit_v fed:.//2voicedata/allpole/oob4ed:-LNSOmbas2:300:1.6:1.y nSDL:7:10:10 pmin:0.01 pART:
.55:0.25:4 ytm:1:0.9:1000 pNr:0.9 void:0 gibbs:1 beta:1 sdp:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7
8:9 ver:-2 test:4:1000:1:1 ; grep selected tmp/testsd.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11158 3.4-5 話者数字列照合:指定話者+90%非指定数字列をテスト 新手法 ytm:1:0.9:1000
11159 speakerdigit_v fsd:../12voicedata/allpole/oob4sd:-IN50mbas2:300:1.6:1.y nSDL:7:10:10 pmin:0.01 pART:
550.0254 ytm:1:0.9:1000 PM:v.0.9 voidio gibbs:1 beta:1 sdD:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7
88:9 ver:-2 test:4:1000:0:0.9 ; grep selected tmp/tested.at
11160 pt tmp/testsd_stat.dat ../Izvoicedata/allpole/test_sd_xitCo_0.9ytml_0.9.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3.3-2 考察 1.6指者照合のみでは第2数字目から、受理すべき事後確率と棄却すべき事後確率の954誤差範囲が重ならない。受理のしきい。他はpae0.4、棄却のしきい。他pae0.2程度とすれば良い。
重ならない。受理のしきい。他はpae0.4、棄却のしきい。他paeの主要が可能を定すれば良い。
こ数字照合では第3ステップから、受理すべき事後確率と棄却すべき事後確率の958誤差範囲が重ならない。受理のしきい。値はpae0.69 薬却のしきい値pae0.46程度とすれば良い。
3.数字の今までをランダムに発声すると1.11の割骨で「正解、あるいは。900 確率で不正解に
3.数字の今まできるので最後のzico、90例はその場合を示す。話者照合では受理となるが、数字照合で変更なできるので、結果として棄却とする。判定数字数は3以上であれば良い。実用的でもある。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   publor 'test_s_ric0_Oytm1_0.9.dat" using 1:2 w l, "" using 1:2:3 w errorbars,
"test_s_ric1_Oytm1_0.9.dat" using 1:2 w l, "" using 1:2:3 w errorbars,
"test_s_ric0_1ytm1_0.9.dat" using 1:2 w l, "" using 1:2:3 w errorbars,
"test_s_ric0_1_1ytm1_0.9.dat" using 1:2 w l, "" using 1:2:3 w errorbars,
"test_s_ric1_1ytm1_0.9.dat" using 1:2 w l, "" using 1:2:3 w errorbars
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      plot "test_d_ric0_0ytml_0.9.dat" using 1:2 w 1, "" using 1:2:3 w errorbars,
  "test_d_ric0_10ytml_0.9 dat" using 1:2 w 1, "" using 1:2:3 w errorbars, \
  "eset_d_ric0_1ytml_0.9.dat' using 1:2 w 1, "" using 1:2:3 w errorbars, \
  "est_d_ric1_1ytml_0.9 dat" using 1:2 w 1, "" using 1:2:3 w errorbars, \
  "test_d_ric0_19yrml_0.9.dat" using 1:2 w 1, "" using 1:2:3 w errorbars
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3.4-4 話者数字列照合:非指定話者+非指定数字列をテスト 新手法 ytm:1:0.9:1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cp tmp/testsd_stat.dat ../l2voicedata/allpole/test_sd_riCl_0ytml_0.9.dat
#10 0.0481863 0.0765256 #t tp> uncertainty_p(k2) <-- Reject!</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ../12voicedata/allpole/test_sd_riC1_lytm1_0.9.dat
                                                                                                                     9 ver:-2 test:4:1000:0:1; grep selected tmp/testsd.dat
11098 op tmp/testsd_stat.dat . .12voicadata/allpole/test_driCo_lytml_0.9.dat
11099 #10 0.0112802 0.0095403# t cp> uncertainty_p(k2) <- Reject!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3.2-5 数字列照合:指定話者+90%非指定数字列をテスト 新手法 ytm:1:0.9:1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cp tmp/testsd_stat.dat ../12voicedata/allpole/test_sd_riCl_1:
#10 0.0457095 0.0539679 #t uncertainty_p(k2) <-- Reject!</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3.3 結果の視覚化と考察
3.3-1 視覚化
cd ../12voicedata/allpole/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            gnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11155
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                11106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11146
```

#10 0.122674 0.243889

#

uncertainty_p(k2) <-- Reject!</p>

readmecan2mspeech.txt

```
OID: v-{FP}=(/sum_m ( p^{m}, {FP}- cp^{m})_ {FP}> )^2 )/ M (Mは CAN2^mの 価数 )
のように各元に対して求めるやり方が直感的にすぐに思い付く。下の #OID#2013/02/07 のところはこ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  結果を示している。しかし、上のNEWの方法の結果の方が良かったので以下では検討しない。またこの
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ション ytm: «method>-cythao; rythao; wayn なな新しくした。
cmethod>-0 従来のようにyのthao; wytho
cmethod>-1、cythao>0: -ythaoからythaafでをcnyth>等分してythの値とし、p_{FN}とp_(FP)の分散
が小えくなるyth
ネバージョンでは、p (FD)と、「PD)と、「PN)と (FP)の分散
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3.3.2.4.7.1 法指定語者と指定数字列の場合(rico_0)のみ受理され、受理と棄却は第2数字目からしきい値でかけることができることを示す。
てかけることができることを元年。
(2) (3)と(4)はそれぞれテキスト依存とはテキスト独立の語者照合を表し、テキスト依存は
第1数字からしきい値による受理と棄却が可能であるが、テキスト独立は第2数字から可能となる。
(3)話者数字のたる。 (4)話者のANSと数字のANSと数字のANSと数字のANSと数:
・ 直着は学習に時間がかかるが、後者は学習が多なくて済む。
・ 前者は、棄却のとき話者が不正解か数字列が不正解か分からないが、後者は分かる。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ヨンでは、p-{FP}とp_{FV}の分散は、FPとFNの各データに対する分散として求めた!
=(/sum_m ( p^{RP}- cp^{m}_{FP}- cp^{m}_{FP}) )^2 n^{m}_{FP} )/sum_m n^{m}_{m}_{FP}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  plot "test_sd_riCo_Oytml_0.9_bayes.dat" using 1:2 w l, "" using 1:2:3 w errorbars, "test_sd_riCo_0.9ytml_0.9_bayes.dat" using 1:2 w l, "" using 1:2:3 w errorbars (1.1 Bayeskār tiCo_0.9ytml_0.9. bayes.dat" using 1:2 w l, "using 1:2:3 w errorbars (1.1 Bayeskār ck 森如歲かなり人名、多理與它東却與它里數字學の增加ととも下來動する。 (2)Gibbsの受理域と棄却域は數字數の增加とともに減少し、受理、棄却はより正確になる?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         plot "test_sd_ricO_0ytml_0.9.dat" using 1:2 w l, "" using 1:2:3 w errorbars,
"test_sd_ricl_0ytml_0.9.dat" using 1:2 w l, "" using 1:2:3 w errorbars, \
"test_sd_ricl_0lytml_0.9.dat" using 1:2 w l, "" using 1:3:3 w errorbars, \
"test_sd_ricO_lytml_0.9.dat" using 1:2 w l, "" using 1:3:3 w errorbars, \
"test_sd_ricl_lytml_0.9.dat" using 1:2 w l, "" using 1:2:3 w errorbars
                                                                                                                                                                       errorbars,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         plot "test_s_ricO_0ytml_0.9.dat" using 1:2 w l, "" using 1:2:3 w errorbars,
"test_s_ricl_0ytml_0.9.dat" using 1:2 w l, "" using 1:2:3 w errorbars,
"test_s_ricO_lytml_0.9.dat" using 1:2 w l, "" using 1:2:3 w errorbars,
"test_s_ricL_lytml_0.9.dat" using 1:2 w l, "" using 1:3:3 w errorbars,
                                                                                                                                                                                                                                                                                                                                                                  "" using 1:2:3 w errorbars,
                                                                                                                                                            "Lest_sd_ricO_Oytml_0.9.dat" using 1:2 w 1, "" using 1:2:3 w errorba
"Lest_sd_ricO_Jytml_0.9 dat" using 1:2 w 1, "" using 1:2:3 w errorbars, \
"test_sd_ricO_Jytml_0.9.dat" using 1:2 w 1, "" using 1:2:3 w errorbars, \
"test_sd_ricO_Jytml_0.9.dat" using 1:2 w 1, "" using 1:2:3 w errorbars, \
"test_sd_ricO_0.9ytml_0.9 dat" using 1:2 w 1, "" using 1:2:3 w errorbars, \
"test_sd_ricO_0.9ytml_0.9.dat" using 1:2 w 1, "" using 1:2:3 w
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            'test_s_ric0_0.9ytml_0.9.dat" using 1:2 w 1, "" using 1:2:3 w errorbars
                                                                                                                                                                                                                                                                                                                                                              plot "test_s_riCO_0ytml_0.9.dat" using 1:2 w 1, "" using 1:2:3 w errorbs
"test_s_riOl_0ytml_0.9.dat" using 1:2 w 1, "" using 1:2:3 w errorbars,
"test_s_riOl_1ytml_0.9.dat" using 1:2 w 1, "" using 1:2:3 w errorbars,
"est_s_riOl_1ytml_0.9.dat" using 1:2 w 1, "" using 1:2:3 w errorbars,"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3.7 今後の実験と考察、(1)実験によいまの受罪と禁却の確率を求めること(1)実験につい、値を設定したときの受罪と禁却の確率を求めること(1)実験を指者が入力するとどうなるか。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (1) speakerdigit_v.cのしきい値_ythの選択法を新しくした。
オプション vtm:<metbnd>:<vvha>:<vvha>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 なおp_{FP}とp_{FN}の分散を、次の式
OLD: v_{FP}=(\sum m ( p^{m}_{FP}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        v_{FP}=(\sum_m (
                                                                    ../12voicedata/allpole/
3.5 結果の視覚化と考察
3.5-1 視覚化
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2013/02/07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3.5-2 考察
                                                                                               gnuplot
```

現プログラムでは使えない。また、次のオプションも可能。 cmethod>=1, cytha>=0: ymeanN[m]からymeanP[m]までをcnyth>等分してythの値とし、p_{FN}とp_{FP}の 分散が小さくなるyth を使用。しかし、 cytha>=0.9とした上の方法の方が良かったので以下では検討

Page 178

棄却 (Reject)の判断を行えるステップ数TRは両手法ともTR=3数字目と言える

11296 speakerdigit_v fsd:./12voicedata/allpole/oob4sdN50mbas2:100:0.7:1.y nSDL:7:10:10 pmin:0.01 pART:.55:0.25:4 ytm:1:0.9:1000 pNr:0.9 void:0 gibbs:1 beta:1 sdP:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8: (2-2-1)話者数字列照合:指定話者+指定数字列をテスト 新手法 ytm:1:0.9:1000

ver:-2 test:4:1000:0:0; grep selected tmp/testsd.dat #correct speaker and correct digit .1.297 cp tmp/testsd_stat.dat ../12voicedata/allpole/testsd_stat_sd_riC0_0ytml_0.9.dat 11298 11297

#10 0.949231 0.136441 #t cp> uncertainty_p(k2) <-- Accept!
#selected n0 <PP>0.000798813+-0.00240937 <FN>0.386869+-0.355785 TotalUncertainty0.0879021(k2)

11246 speakerdigity v fs., /12voicedata/allpole/oob4s850mbsa2:10000 /7:1.y nSDE;7:10:10 pmin:0.01 pART:.55:0
.25:4 ytm:1:0.9:1000 pw:0.9 void:0 gibbs:1 beta1 adp:0:0:12:3:45:6:7:89 IT:1 sdT:0:0:1:12:3:45:6:7:8:9
ver:-2 test+4:1000:0:0; / grep selected tmp/testsa1.adp:0:0:12:3:45:6:7:8:9
IL1247 cp tmp/testsa2 stat.dat ./12voicedata/allpole/testsa2.stat.s_ric0_0ytm1_0.9.dat
11248 #10 0.90259 0.242171 #t cp tmp/testsa2.stat.s_ric0_0ytm1_0.9.dat

ytm:1:0.9:1000 の方が良いように見える? (2-1) 話者照合 (2-1-1) 話者服合:指庭話者+指定数字列をテスト 新手法 ytm:1:0.9:1000

(2)使用例

11244 11245 11246

#selected n0 <FP>0.00909144+-0.00554657 <FN>0.358986+-0.0966179 TotalUncertainty0.0320328(K2)

11249 #sel

11250

ytm:

11306 (2-2-2.) 話者数字列照合:非指定話者+指定数字列をテスト 新手法 ytm:1:0.9:1000 1306 (2-2-2.) 話者数字列照合:非指定話者+指定数字列を示义 ytm:1306 (2-2-2.) 話者数字列照合:非指定話者+指定数字列を示义 ytm:1306 (2-2-2.) 話者数字列形合 ytm:10.9:1000 PNr:0.9 void:0 gibbs:1 beta:1 sdP:0:0:12:3:45:6:7:8:9 IT:1 sdT:0:0:11:2:3:45:6:7:8:9 IV ytm:10.9:1000 PNr:0.9 void:0 gibbs:1 beta:1 sdP:0:0:12:3:45:6:7:8:9 IT:1 sdT:0:0:11:2:3:45:6:7:8:9 IV ytm:10.9:1000 PNr:0.1 ytm:10.9 void:0 gibbs:1 beta:1 sdP:0:0:11:2:3:45:6:7:8:9 IT:1 sdT:0:0:11:2:3:45:6:7:8:9 IV ytm:10.9:1000 PNr:0.1 ytm:10.0:11:2:3:45:6:7:8:9 IV ytm:10.9:1000 PNr:0.1 ytm:10.9:100 PNr:0.1 ytm:10.9:1000 PNr:0.1 ytm:10.1 ytm:10.1

ytm

11311 (2-2-2'')話者数字列照合:非指定話者+非指定数字列をテスト 新手法 ytm:1:0.9:1000 1313 speakerdsdigt_yr fsd:.../12/voicedsta/all/pole/oob/sddNs0/mbss2:1000.771; yr pSDL:?:10:10 pmin:0.01 pART:.55 :0.25:4 ytm:1:0.9:1000 pNr:0.9 void:0 gibbs:1 beta:1 sdP:0:0:1:2:34#5:67*8:9 lT:1 sdT:0:0:1:2:34#5:6:7:8:9 yer:-2 test:4:1000:11:1; grep selected tmp/testsd.dat #incorrect speaker and incorrect digit ď

cp tmp/testsd_stat.dat ../12voicedata/allpole/testsd_stat_sd_riCl_lytml_0.9.dat #10 0.150754 0.105353 #t cp> uncertainty_p(k2) <-- Reject!</pre>

11256 cp tmp/tested_stat.dat ../12voicedata.datlpole-fested_stat.s_ricO_lytml_0.9.dat
11259 10 0.887656 0.275646 #t cp. uncertainty_p(k2) <-- Accept.s_ricO_lytml_0.9.dat
11261 (2-1-2·*) 話者照合:非指定話者+非正雕数字列をテスト 新手法 ytm:1:0.9:1000
11262 speakerdigit_y fs:../12voicedata/allpole/cob4sNSGMbas2:100:0.711y nSDL:7:10:10 pmin:0.01 pART:.55:0
25:4 ytm:1:0.9:1000 pw::0.9 void:0 gibbs:1 beta:1 sdp:0:0:1:2:3:45:6:7:89 1 II:1 sdT:0:0:1:2:3:45:6:7:89 ver:-2 test:4:1000:1:1 / yrep salected tmp/testsad.dat #incorrect speaker and digit.</pre>

cest:4:1000:1:1 / grep selected tmp/testsd.dat #incorrect speaker and digit cop tmp/testsd_seat.dat ../12vo/cedated.hipolab.festsd_stat_s_riC1_lytml_0.9.dat 10 0.0888816 0.14136 #t eps uncertainty_p(k2) <-- Reject!

11264

11263

11252 speakerdigit_v fs:..12voicedata/allpole/oob4sN50mbas2:100:0.711.y nSDL:7:10:10 pmin:0.01 pART:.55:0 .25:4 ytm:1:0.9:1000 PNr:0.9 void:0 gibbs:1 beta:1 sdp:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 test:4:1000:1:0 ; grep selected tmp/testsd.dat #incorrect speaker and digit

(2-1-2) 話者照合:非指定話者+正解数字列をテスト 新手法 ytm:1:0.9:1000

op tmp/testsd_stat.dat ../l2voicedata/allpole/testsd_stat_s_riCl_0ytml_0.9.dat #10 0.0897657 0.153849 #t uncertainty_p(k2) <-- Reject! test:4:1000:1:0</pre>

11253 cp tn 11254 #10 (:1:0.9:1000

従来法 ytm:0 PNr:0.9 (2-2-3)話者数字列照合:指定話者+指定数字列をテスト

uncertainty w 11318 cp tmp/testsd_stat.dat .._I2voicedata/allpole/testsd_stat_sd_riCO_0ytm0.dat 11319 #10 0.924686 0.190069 #t cp> uncertainty_p(k2) <-- Accept! orse than (2-2-1)

11320

(2-2-4)話者数字列照合:非指定話者+指定数字列をテスト 従来法 ytm:0 PNx:0.9 11321

.55 pmin:0.01 pART: 11322 speakerdigit_v fsd:./12voicedata/allpole/oob4sdN50mbas2:100:0.7:1.y nSDL:7:10:10 pmin:0.01 pART: 0.25:4 ytm:0 PNr:0.9 void:0 gibbs:1 beta:1 sdp:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver: test:4:1000:1:0; grep selected tmp/testsd.dat #incorrect speaker and correct digit

pART:.55:0

11267 speakerdigity. 7 fs., 1,12voicedata1a11b01e1coob4sN50mbas2:1,00:0,7:1,y nSDL:7:1,0:10 pmin:0.01 pART:.55.
.25:4 ytm:0 pNr:0.9 void:0 gibbs:1 beta:1 sdP:0:0:12:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 t st.4:1000:0:0 ; grep selected tmp/testsd.dat fcorrect speaker and digit
11268 cp tmp/testsd_stat.dat ../12voicedata/allpole/testsd_stat_s_riC0_0ytm0.dat
a little worse than (2-1-1)
11270

11323 cp tmp/testså stat.dat ..^12voicedata/allpole/testså stat_sd_riCl_0ytm0.dat 11324 #10 0.185655 0.15029 #t uncertainty_p(k2) <-- Reject!

uncertainty w orse than (2-2-2) 11325

(2-2-4')話者数字列照合:指定話者+非指定数字列をテスト 従来法 ytm:0 PNr:0.9

11326

pmin:0.01 pART:.55:0

11272 speakerdigit_v fs:./l2voicedata/allpole/oob4sN50mbas2:100:0 7:1.y nSDL:7:10:10 pmin:0 0.01 pART::55 - 25:4 ytun:0 pWr:0, 9 void:0 glbbs:1 becal agot:0:12:3:45:67:78:9 fr:1 gdT:0:0:1:2:3:44:5:67:78:9 ver:--a st:4:1000:1:0 } grep selected tup/testsd.dat #incorrect speaker and digit d

(2-1-4) 話者照合:非指定話者+指定数字列をテスト 従来法 ytm:0 PNr:0.9

11271

11273 op tmp/testsd_stat.dat ../12voicedata/allpole/testsd_stat_s_riCl_0ytm0.dat 11274 #10 0.0736496 0.150134 #t cp> uncertainty_p(K2) <-- Reject!

a little better than (2-1-2)

11275

uncertainty

11327 speakerdigit_v fsd:../12voicedata/allpole/oob4sdN50mbas2:100:0.7:1.y nSDL:7:10:10 pmin:0.01 pART:.55 :0.25:4 ytm:0 PNr:0.9 void:0 gibbs:1 beta:1 sdP:0:0:1:2:3:4:5:6:7:8:9 IT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 test.4:1000:0:1; grep selected tmp/testsd.dat #incorrect speaker and correct digit 11328 op tmp/testsdz.stat.dat ../1AroiLedstafallpoile/festsd_stat_ad_ritOc_lytm0.dat 11329 #10 0.18665 0.15029 #k cps uncertainty_p0/R2) <-- Reject!

(2-2-4'')話者数字列照合:非指定話者+非指定数字列をテスト 従来法 ytm:0 PNr:0.9

11332 speakerdigit_v fsd:../12voicedata/allpole/oob4sdN50mbas2:100:0.7:1.y nSDL:7:10:10 pmin:0.01 pART:.55
10.25:4 ytmio PNr:0.9 void:0 gibbs:1 beta:1 sdP:0:0:1:2:3:4:5:6:7:8:9 IT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2
test:4:1000:1:1; grep selected tmp/testsd.dat #ncorrect speaker and correct digit
11333 cp tmp/testsd.stat.dat ../2voicedata/allpole/testsd.stat_sd_ric1_lytm0.dat
11334 10 0.17378 0.0856736 #t cp> uncertainty_p(k2) <-- Reject!</pre>

(2-2-5) 結果を視覚的にチェック 11336

../12voicedata/allpole/testsd_stat_s_riCO_1ytm0.dat

cp tmp/testsd_stat.dat ../12voicedata/allpole/testsd_stat_
#10 0.902209 0.269468 #t uncertainty_p(k2) <-- Accept!</pre>

11278 11279 11281 (2-1-4'') 話者照合:非指定話者+非指定数字列をテスト 従来法 ytm:0 pNr:0.9
11282 speakerdigit_v fs:./12voicedata/allpole/oob4sN50mbas2:100:0.7:1.y nSDE:77:10:10 pmin:0.01 pART::55:0
25:4 ytm:0 PNr:0.9 void:0 glibs:1 beta:1 sap:0:0:1:2:3:4:5:6:7:8:9 prin: sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 te st:4:1000:1:1 ; grep selected tmp/testsd.dat #incorrect speaker and digit
11283 cp tmp/testsd_stat.dat ../12voicedata/allpole/testsd_stat_s_ricl_lytm0.dat

cp tmp/testsd_stat.dat ../12voicedata/allpole/testsd_stat_s
10 0.0692312 0.125634 #t uncertainty_p(k2) <-- Reject!</pre>

(2-1-5) 結果を視覚的にチェック cd ../l2voicedata/allpole/ ../12voicedata/allpole/

gnuplot

gnuplot g

11339 plot "testsd_stat_sd_riCO_0ytml_0.9.dat" using 1:2 w l, "" using 1:2:3 w errorbars, "restsd_stat_sd_ril_0ytml_0.9.dat" using 1:2 w l, "" using 1:2 w l, "" using 1:2 w l, "" testsd_stat_sd_ricO_1ytml_0.9.dat" using 1:2 w l, "" using 1:2 w l, "" using 1:2 w l, "" using 1:2:3 w errorbars, "testsd_stat_sd_rid_l_lytml_0.9.dat" using 1:2 w l, "" using 1:2:3 w errorbars, "testsd_stat_sd_rid_lytml_0.9.dat" using 1:2 w l, "" using 1:2:3 w errorbars," testsd_stat_sd_rid_lytml_0.9.dat" using 1:2 w l, "" using 1:2:3 w errorbars," testsd_stat_sd_rid_lytml_0.9.dat" using 1:2 w l, "" using 1:2:3 w errorbars," testsd_stat_sd_rid_lytml_0.9.dat" using 1:2 w l, "" using 1:2:3 w errorbars," testsd_stat_sd_rid_lytml_0.9.dat" using 1:2 w l, "" using 1:2:3 w errorbars," testsd_stat_sd_rid_lytml_0.9.dat" using 1:2 w l, "" using 1:2:3 w errorbars," testsd_rid_lytml_0.8.dat" using 1:2 w l, "" using 1:2:3 w errorbars," testsd_rid_lytml_0.8.dat" using 1:2 w l, "" using 1:2:3 w errorbars," testsd_rid_lytml_0.8.dat" using 1:2 w l, "" using 1:2:3 w errorbars," testsd_rid_lytml_0.8.dat" using 1:2 w l, "" using 1:2:3 w errorbars," testsd_rid_lytml_0.8.dat" using 1:2 w l, "" using 1:2:3 w errorbars," testsd_rid_lytml_0.8.dat" using 1:2 w l, "" using 1:2:3 w errorbars," testsd_rid_lytml_0.8.dat" using 1:2 w l, "" us " using 1:2:3 w errorbars, "testsd "testsd_stat_sd_riC0_1ytm1_0.9.dat"

11340 plot "testsd_stat_sd_ricO_0ytm0.dat" using 1:2 w l, "" using 1:2:3 w errorbars, "testsd_stat_sd_ricI 0ytm0.dat" using 1:2 w l, "" using 1:2:3 w errorbars, "testsd_stat_sd_ricO_1ytm0.dat" using 1:2 w l, "" using 1:2:3 w errorbars, "testsd_stat_sd_riCI_1ytm0.dat" using 1:2 w l, "" using 1:2:3 w errorbars Oytm0.dat" 11341

11342 #見た目にはそれほど差は無いようにも見えるが、新手法では第2数字目から、正解と不正解の95%誤差範囲が重

棄期(Reject)を行うしきい値pthRとステップ数TRは従来手法ではpth1=0.33?)でTR=4数字目、新手法ではpthR=0 とがわかる。

(これらの数値はgnuplotの図上のマウスの位置の座標が左下に表れることから判断)

(2-3) 数字列照合 (2-3-1) 数字列照合:指定話者+指定数字列をテスト 新手法 ytm:1:0.9:1000

speakerdigit_v fd:../12voicedata/allpole/oob4dN50mbas2:100:0.7:1.y nSDL:7:10 pmin:0.01 pART:.55:0

```
11353 (2-3-2) 数字列照合:指定話者+非指定数字列をテスト 新于次 ytm:1:0.9:1uvvv
1354 speakerdigity v fd:../l2voicedata/allpole/oob4dN50mbas2:100:0.7:1.y nsD1:7:10:10 pmin:0.01 pART::55:0
25:4 ytm:1:0.9.1000 PNr:0.9 void:0 gibbs:1 beta:1 adp:0:0:12:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9
ver:-2 test:4:1000:0:1/ grep selected tmp/testsca.dat #incorrect speaker and digit
11355 cp tmp/testsd_stat.dat ../l2voicedata/allpole/testsd_stat_d_rICO_lytml_0.9.dat
11356 #10 0.0360632 0.0445704 #t cp> uncertainty_p(k2) <-- Reject!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  11361 #10 0.943795 0.183105 #t cp> uncertainty_b(k2) <-- Accept!
11362
11363
11363
11364 $peakerdigit_v fd:../l2voicedata/allpole/oob4dM50mbas2:100:0,7:1.y nSDL:77:10:10 pmin:0.01 pART::55:0
25.4 ytm:1:0,9.1000 bhr:0,9 void:0 gibbs:1 betail adp:0:0.123:34:5:6:7:89 IT:1 sdT:0:0:1:23:34:5:6:77:89 Ver:-2 best:41:0000:1:1) grep selected tmp/testsd.dat #incorrect speaker and digit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              pART:.55:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11379 speakerdigit_v fd:.//l2voicedata/allpole/oob4dN50mbas2:100:0.7:1.y nSDL:7:10:10 pmin:0.01 pART:.55:0 5:34 ytm:0 Pkr:0.9 void:0 glbbs:1 beta:1 adP:00:11:2:34:4:56:77:89 pr:-2 te st:1000:1:0; grep selected tmp/rested at #correct speaker and digit 11380 op tmp/rested_stat.dat ../12voicedata#allpole/rested_stat_d_ricl_0ytm0.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     pmin:0.01 pART:.55:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11358 (2-3-2')数字列照合:非指定話者+指定数字列をテスト 新手法 ytm:1:0.9:1000
11359 speakerdigit、y fd:../12voicedeta(allpole/oob4dN80mbas2:100:0.7:1.y nSDL:7:10:10 pmin:0.01 pART:.55:0.
25:4 ytm:1:0.9.1000 PMr:0.9 void:0 gibbs:1 beta:1 adP:0:0:112:3:4:5:6:7:8:9 lT:1 adT:0:0:112:3:4:5:6:7:8:9 ver:-2 test:4:1000:1:0) grep selected tmp/fested.dat #incorrect speaker and digit.
void:0 gibbs:1 beta:1 sdP:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11369 speakerdigit_v fdi...,\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\l
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11384 speakerdigit_v fd:../12voicedata/allpole/oob4dN50mbas2:100:0.7:1.y nSDL:7:10:10 pmin:0.01 paRT:.55
..25:4 yum:0 PMr:0.9 void:0 gibbs:1 beta:1 sdP:0:11:2:3:4:5:6:77:8:9 lT:1 sdT:0:0:1:12:3:4:5:6:77:8:9 ver:-2 ist:4:1000:1:1; grep selected tmp/testsd.dat #correct speaker and digit
11385 cptmp/testsd.stat.dat..../12voicedata/allpole/testsd.stat.d_irid_lytm0.dat
11386 #10 0.0545729 0.0706459 #t cp> uncertainty_p(k2) <-- Reject! uncertainty worse than (2-3-3)
                                                                                                            uncertainty worse than (2-3-1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cp tmp/testsd_stat.dat ../12voicedata/allpole/testsd_stat_d_riCO_lytm0.dat
#10 0.0574392 0.074655 #t  uncertainty_p(k2) <-- Reject! uncertainty worse than (2-3-2)</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      test:#:1000:1:0; grep selected tmm/tested.dat #incorrect speaker and digit
    op tmp/tested.eat.dat.../12voicedateAllplole/tested_eat_d_riGl_0ytml_0.9.dat
    #10 0.943795 0.183105 #t cp> uncertainty_p(k2) <-- Accept!</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cp tmp/testsd_stat.dat ../12voicedata/allpole/testsd_stat_d_riCl_lytml_0.9.dat
10 0.0339631 0.0379863 #t  uncertainty_p(k2) <-- Reject!</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        grep selected tmp/testsd.dat #correct speaker and digit/testsd_stat_d_ric0_0ytm0.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        grep selected tmp/testsd.dat #correct speaker and digit /testsd_stat.dat ../12voicedata/allpole/testsd_stat_d_ric0_lytm0.dat
                                                                   selected tmp/testsd.dat #correct speaker and digit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (2-3-2') 数字列照合:非指定話者+指定数字列をテスト 新手法 ytm:1:0.9:1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (2-3-5)数字列照合:非指定話者+非指定数字列をテスト 従来法 ytm:0 PNr:0.9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (2-3-4') 数字列照合:指定話者+非指定数字列をテスト 従来法 ytm:0 PNz:0.9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (2-3-5) 数字列照合:指定話者+非指定数字列をテスト 従来法 ytm:0 PNz:0.9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               op tmp/testsd_stat.dat [./12voicedata/allpole/testsd_stat_d
#10 0.937052 0.203156 #t uncertainty_p(k2) <-- Accepti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cp tmp/testsd_stat.dat .../l2voicedata/allpole/testsd_stat_
10 0.934863 0.204551 #t  uncertainty_p(k2) <-- Accept!</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (2-3-6) 結果を視覚的にチェック
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ../12voicedata/allpole/
25:4 ytm:1:0.9.1000 PNr:0.9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            qnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11389
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11365
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11388
```

Dec 05 2019 13:52:41 readmecan2mspeech.txt

0.88571 1.00000 0.00000 0.11429 1.63265e-04 700 9 #TP.TN.FP.FN.ERR.n.,txm9 #saved in ../12voicedata/allpole/oob4d:-1N50mbas2:300:1.0:1.y

Page 180

```
11414 speakerdigit_v fd:../12voicedata/allpole/oob4d:-1N50mbas2:300:0.7:1.y nSDL:7:10:10 pmin:0.01 pART:.5 5:0.25:4 ytm:1:0.9.1000 PNr:0.9 void:0 gibbs:1 bcta:1 sdp:0:0:1:2:3:4:5:6:7:8
                                                                                                                                                                                                                                                                                                                                               11420 speakerdigit_v fd:../12voicedata/allpole/oob4d:-1N50mbas2:300:0.7:1.y nSDL:7:10:10 pmin:0.01 pART:.5 5:0.25:4 ytm:1:0.9.1000 PNr:0.9 void:0 gibbs:1 beta:1 sdP:0:0:12:3:4:5:6:7:8:9 17:1 sdT:0:0:12:3:4:5:6:7:8:9 ver:-2 test:4:1000:0:0.9; grep selected tmp/testsd.dat #incorrect speaker and digit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  11442 #Trial#speakerdigit_v fd:../l2voicedata/allpole/oob4d:-IN50mbas2:300:0.7:1.y nSDL:7:10:10 pmin:0.01 pART:.55:0.25:4 yrmi1:0.9.1000 PNr:0.9 void:0 gibbs:1 beta:1 sdp:0:0:1:2:3:4:5:6:7:8:9 lTr:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 test:4:1000:00:0.5; grep selected tmp/testsdat #incorrect speaker and digit 11443 #Trial#sp tmp/testsd.stat.dat .../l2voicedata/allpole/testsd.stat_driCO_0.5ytml_0.9_new.dat 11444 #Trial#10 0.565011 0.4961 #t cp> wcertainty_p(k2) <-- Accept:</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #Trial# void:0 gibbs:1 beta:1 sdP:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 test:4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "testsd_stat_d_riC0_lytm1_0.9_new.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     11437 #Trial#speakerdigit_v fd:../12voicedata/allpole/oob4d:-1N50mbas2:300:0.7:1.y nSDL:7:10:10 pmin:0.01 pART:.55:0.534 yrmi1:0.9.1000 ppkr:0.9 void:0 gibbs:1 beta:1 sdp:0:11:2:3:45:677:89 pr:-2 test:4:1000:00:0.2; grep selected tmp/tested dat #incorrect speaker and digit 11438 #Trial#sc tmp/tested.stat.dat .../12voicedate/allpole/testsd.stat.d_x1C0_0.2ytml_0.9_new.dat 11439 #Trial##10 0.865368 0.296352 #t cp> vncertainty_p(k2) <-- Accept</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                11447 #Trial#speakerdigit_v fd:../12voicedata/allpole/oob4d:-IN50mbas2:300:0.7:1.y nSDL:7:10:10 pmin:0.01 pART:.55:0.25:4 yen:1:0,9.1000 pNr:0,9 void:0 gibbs:1 beta:1 sdP:0:0:1:2:3:4:5:6:7:8:9 Tr:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 test:4:1000:00:0.55; grep selected tmp/testsd.dat #incorrect speaker and digit 11448 #Trial#cp tmp/testsd_stat.dat ../12voicedata/allpole/testsd_stat_d_riCO_0.55yrml_0.9_new.dat 11449 #Trial##10 0.501704 0.49024 #t cp> uncertainty_p(k2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ver:-2 test:4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   test:4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "testsd_stat_
                                                                                                                                                                                                                                                                                  (2-4-2) 数字列照合:指定話者+90%非指定数字列をテスト 新手法 スヒm:1:0.9:1000 ランダムに発すると9/nD=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ver:-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #10 0.953373 0.162134 #t uncertainty_p(k2) <-- Accept!</p>
#selected n0 PP>0.00479709+-0.00680731 FN>0.324+-0.106666 TotalUncertainty0.0358999(k2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "" using 1:2:3 w errorbars,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #Trial# void:0 gibbs:1 beta:1 sdP:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #Trial# void:0 gibbs:1 beta:1 sdP:0:0:1:2:3:4:5:6:7:8:9 | Tr:1 sdT:0:0:1:2:3:4:5:6:7:8:9 0.3; grep selected tmp/testsd.dat #incorrect speaker and digit
                                                                                                                                                                                                                                                                                                                                                                                                                                                              ./12voicedata/allpole/testsd_stat_d_riC0_0.9ytm1_0.9_new.dat
                                                                                                                                               ../12voicedata/allpole/testsd_stat_d_riC0_0ytm1_0.9_new.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #Trzial#(2-4-3) 数字列照合:指定話者+20%非指定数字列をテスト 新手法 ytm:1:0.9:1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #Trial#(2-4-5) 数字列照合:指定話者+50%非指定数字列をテスト 新手法 ytm:1:0.9:1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #Tzial#(2-4-4) 数字列照合:指定話者+50%非指定数字列をテスト 新手法 ytm:1:0.9:1000
                                                                                                          ver:-2 test:4:1000:0:0; grep selected tmp/testsd.dat #incorrect speaker and digit
.415 cp tmp/testsd_stat.dat ../12voicedata/allpole/testsd_stat_d_riC0_0ytml_0.9_ne
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (2-4-3) 数字列照合:指定話者+100%非指定数字列をテスト 新手法 ytm:1:0.9:1000
(2-4-1) 数字列照合:指定話者+0%非指定数字列をテスト 新手法 ytm:1:0.9:1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        plot "testsd_stat_d_ricO_0ytml_0.9_new.dat" using 1:2 w l, "" u
0.9ytml_0.9_new.dat" using 1:2 w l, "" using 1:2:3 w errorbars,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11457 #Trial# void:0 gibbs:1 beta:1 sur.vvv.r.r.v.
:1000:0:0.1.1 grep selected tmp/testad.dat #incorrect speaker and digit
11458 #Trial#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #10 0.108436 0.186707 #t  uncertainty_p(k2) <-- Reject!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #Trial#cp tmp/testsd_stat.dat ../12voicedata/allpole
#Trial#10 0.431168 0.489644 #t  uncertainty_p(k2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (2-4-4) 結果を視覚的にチェック
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ../12voicedata/allpole/
                                                                                                                                                                                                                                                                                                                                                                                                                                                              op tmp/testsd_stat.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .v.s; grep selected #Trial#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #Trial#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       gnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #Trial#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #Trial#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #Trial#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #Trial#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #Trial#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #Trial#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #Trial#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #Trial#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #Trial#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #Trial#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             :1000:0:0.3;
                                                                                                                                                                                                                                                                                                              ラ=908間違う
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11453
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11428
11429
11430
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11435
11436
11437
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  11441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     11440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  11445
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11446
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    11450
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11461
```

TotalUncertainty0.0508723

```
11535 #OLD##ytm:1:0:500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11580 #OLD#
11581 #OLD#
1199481(k2)
11582 #OLD#
11583 #OLD#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.014095(k2)
                                                                                                                                                              11537 #(0より良い
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16956(k2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             31864(k2)
                                                                                                                                                                                                                                                                                                                                                                                                                                     11543 x
                                                                                                                                                                                                                                  11538
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                11576
                                                                                                                                                                                                                                                                                                                    79(k2)
11540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11548
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11575
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11577
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5(k2)
11587
11588
11589
11590
11591
11592
11593
11594
11594
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11544
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11552
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    11553
11554
11555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11556
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11545
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11549
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  11584
11585
11586
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11547
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11550
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11551
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11557
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11578
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    11579
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    11510 #0.0.#...
11511 #0.0.#...
11512 #0.0.#...
11513 #0.0.#...
11513 #0.0.#...
11514 #0.0.#...
11514 #0.0.#...
11514 #0.0.#...
11514 #0.0.#...
11514 #0.0.#...
11514 #0.0.#...
11514 #0.0.#...
11515 #0.0.#...
11516 #0.0.#...
11516 #0.0.#...
11518 #0.0.#...
11519 #0.0.#...
11519 #0.0.#...
11519 #0.0.#...
11519 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#...
11510 #0.0.#..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11490 #Trial#1:2 w l, "" using 1:2:3 w errorbars, "testsd_stat_d_riCO_0.3ytml_0.9.dat" using 1:2 w l, "" u
stat_d.a.w.a.v.a.s. "tesd_stat_d_riCO_0.3ytml_0.9.dat" using 1:2 w l, " using 1:2 x a verrorbars, "tes
ted_stat_d_riCO_0.1ytml_0.9.dat" using 1:2 x w l. "" using 1:2 w l, "stat_d_riCO_0.1ytml_0.0.3.dat"
t " using 1:2 w l, "" using 1:2:3 w errorbars, "testsd_stat_d_riCO_1ytml_0.9.dat" using 1:2 w l, "" using 1:2
11491 #Trial#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ns
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #OLD##ytm:1:0:200 #selected n164 <FP>0.1371+-0.0213569 <FN>0.11+-0.06934 TotalUncertainty0.0513038(K
                                                                                                                                                                                                       test:4
                                                                                                                                                                                                                                                                                                                                                                 test:4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           test
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          test
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     using 1:2 w l,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ver:-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ver:-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     using 1:2:3 w errorbars
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "" using 1:2:3 w errorbars, "testsd_stat_sd_riC0_1ytm1_0.9.dat" using 1:2 w l,
                                                                                                                                                                                                   ver:-2
                                                                                                                                                                                                                                                                                                                                                             ver:-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             using 1:2 w l,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          using 1:2 w 1,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  11498 #Trial#.9 void:0 gibbs:1 beta:1 sdP:0:0:1:2:3:4:5:6:7:8:9 |T:1 sdT:0:0:1:2:3:4:5:6:7:8:9 4:1000:1:0.5; grep selected tmp/testsd.dat #incorrect speaker and incorrect digit
                                                                                                                                                                                              sdp:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 dat #incorrect speaker and digit
                                                                                                                                                                                                                                                                                                                                                        gibbs:1 beta:1 sdP:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 tted tmp/testsd.dat #incorrect speaker and digit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #01D#10 0.893244 0.2919 #t cp> uncertainty_p(k2) <-- Accept: <--test:4:1000:0:0 #0.0946697 0.133266 #t cp> uncertainty_p(k2) <-- Reject: <--test:4:1000:1:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     114999 #TY121#

11500 #TY121#

11501 #TY121#

11501 #TY121#

11504 #TY121#

11503 #TY121#

11504 #TY121#

11504 #TY121#

11504 #TY121#

11506 #TY121#

11506 #TY121#

11506 #TY121#

11506 #TY121#

11506 #TY121#

11506 #TY121#

11507 #TY121#

11508 #TY121#

11508 #TY121#

11509 #TY121#

11509
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             using 1:2:3 w errorbars, "testsd_stat_d_riC0_lytm1_0.9.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #Trial#2 w l, "" using 1:2:3 w errorbars, "testsd_stat_d_ric0_lytm1_0.9.dat"
    and digit
    tmp/testsd.dat #incorrect speaker
                                                                                                                                                                                          11476 #Trial# void:0 gibbs:1 beta:1
11000:0:0.5; grep selected tmp/testsd.
11477 #Trial#
                                                                                                                                                                                                                                                                                                               11478 #Trial# void:0 gibbs:
11479 #Trial# void:0 gibbs:
11000:0:0.6; grep selected tm
11480 #Trial#
11481 #Trial#
11482 #Trial#
11483 #Trial#
             selected
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         <--ytm:1:0:1000より悪い
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #Trial#2 w 1,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11488 #Trial#
11488 #Trial#
11830 #Trial#
1:2:3 w errorbars
11487 #Trial#
11488 #Trial#
115:3 w errorbars
1000:0:0.4; grep
                                                 #Trial#
                                                                                      #Trial#
                                                                                                                          #Trial#
                                                                                                                                                                   #Trial#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11492 #Trial#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #Trial#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #Trial#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11496
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11532
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11493
```

readmecan2mspeech.tx Dec 05 2019 13:52:41

selected n407 <FP>0.13617+-0.0199653 <FN>0.11+-0.0691185

#OLD#plot "testsd_stat_sd_riCO_0ytm1_0.9.dat" using 1:2 w 1, "" using 1:2:3 w errorbars, "testsd_sta <--ytm:1:0:100 #OLD##ytm:1:0.5 #selected n87 <FP>0.0825+-0.0352711 <FN>0.145+-0.0811162 TotalUncertainty0.0625455(k #OLD##ytm:1:0.95 #selected n89 <FP>0.182817+-0.0261076 <FN>0.0916674+-0.0552135 TotalUncertainty0.04 #OLD##NG ytm:1:1 #selected n99 <FP>0.9900334-0.0199333 <FN>7.01634e-33+-1.40327e-32 TotalUncertainty #selected n79 <FP>0.104188+-0.0194817 <FN>0.118841+-0.239002 TotalUncertainty0 #OLD##ytm:1:0.9:1000 #selected n555 <FP>0.0297609+-0.012156 <FN>0.143478+-0.281847 TotalUncertainty0 #OLD##ytm:1:0.9 #selected n56 <FP>0.030029+-0.0126081 <FN>0.143478+-0.281847 TotalUncertainty0.19949 #OLD##ytm:1:0.9 #selected n77 <FP>0.13205+-0.0243105 <FN>0.115+-0.0709317 TotalUncertainty0.0530203(#OLD##ytm:1:0 #selected n71 <FP>0.174928+-0.0372717 <FN>0.0956522+-0.19706 TotalUncertainty0.141813("testsd_stat_ #01D#10 0.91332 0.166299 #t cp> uncertainty_p(k2) <-- Accept! <-- test:4:1000:0:0 ytm:1:0.95:5000
#01D#10 0.912645 0.166307 #t <p> uncertainty_p(k2) <-- Accept! <-- test:4:1000:0:0 ytm:1:0.95:1000</pre> Accept! <-- test:4:1000:0:0 ytm:1:0.95:1000 Accept! <-- test:4:1000:0:0 ytm:1:0.95:100 #01D#10 0.911992 0.166701 #t cp> uncertainty_p(k2) <-- Accept! <-- test:4:1000:0:0 ytm:1:0.95:500
#01D#10 0.900145 0.169229 #t <p> uncertainty_p(k2) <-- Accept!<-- test:4:1000:0:0 ytm:1:0.95:100
#01D#10 0.201438 0.239999 #t <p> uncertainty_p(k2) <-- Reject! <-- test:4:1000:1:0;ytm:1:0.95:100</p> "" using 1:2:3 w errorbars, <-- Reject! <--test:4:1000:1:0 <--test:4:1000:0:0 #0LD#10 0.940846 0.163309 #t uncertainty_p(k2) <-- Accept! <-- test:4:1000:0:0; #0LD#10 0.113298 0.195809 #t <p> uncertainty_p(k2) <-- Reject! <-- test:4:1000:1:0; #OLD#10 0.870785 0.180705 #t uncertainty_p(k2) <-- Accept! <-- test:4:1000:0:0; #OLD#10 0.22628 0.244544 #t <p>uncertainty_p(k2) <-- Reject! <-- test:4:1000:1:0;</p> #0LD#10 0.850963 0.290294 #t cp> uncertainty_p(k2) <-- Accept! <--test:4:1000:0:0 #0LD#10 0.0966184 0.133168 #t cp> uncertainty_p(k2) <-- Reject! <--test:4:1000:1:0 #0LD#10 0.89648 0.275814 #t cp> uncertainty_D(k2) <-- Accept! <--test:4:1000:0:0
#0LD#10 0.0712347 0.126106 #t <p> uncertainty_D(k2) <-- Reject! <--test:4:1000:1:0</pre> <-- Accept! <--test:4:1000:0:0
<-- Reject! <--test:4:1000:1:0</pre> #0LD#10 0.387102 1.34337e-14 #t uncertainty_p(k2) <--test:4:1000:0:0 #0LD#10 0.387102 1.34337e-14 #t <p>uncertainty_p(k2) <-- Reject! <--test</p> <-- Reject! Accept! t_sd_ricl_0ytml_0.9.dat" using 1:2 w 1, "" using 1:2:3 w errorbars
11596 #OLD#plot "testsd_stat_sd_ric0_0yrml_0.dat" using 1:2 w 1,
sd_ricl_0yrml_0.dat" using 1:2 w 1, "" using 1:2:3 w errorbars
11598 | | | uncertainty_p(k2) #OLD#10 0.837014 0.278789 #t cp> uncertainty_p(k2)#OLD#10 0.110728 0.141891 #t cp> uncertainty_p(k2)#OLD#10 0.110728 0.141891 #t uncertainty_p(k2) uncertainty_p(k2) #OLD#10 0.0932819 0.12936 #t uncertainty_p(k2) 0.163286 #t 0.163309 #t ../12voicedata/allpole/ #OLD##ytm:1:0.95:100 #OLD#10 0.940723 #OLD#10 0.940846 #OLD#cd <--ytm:1: ty0.169026(k2) 11574 #OLD## #U.TO# #OIO# #OLD# #OID#

```
11633 speakerdigit_v fs:../l2voicedata/allpole/oob4sN50mbas2:100:0.7:1.y nSDL:7:10:10 pmin:0.01 pART:.55:0 5:4 yuml. Ppr:0.9 void:0 glbbs:1 beta:1 sdp:0:0:112:3:45:6:77:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 te st:1000:0:1 #incorrect digits ver:-2 te l1634 #10 0.838315 0.299306 #t cpG> 2(std_pG) <-- OK because speaker verification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11642 (3-5) 数字列照合(fd): 非指定話者+指定数字列をテストとして使う
11643 cp tmp/testsd_stat.dat ../12voicedata/allpole/testsd_stat_s0d0ytml.dat
11644 speakerdigit_v fd:../12voicedata/allpole/cob4dN50mbas2:100:0.7:1.y nSDL:7:10:10 pmin:0.01 pART:.55:0
.25:4 ymm:1 pMr:0,9 void:0 gibbs:1 beta:1 sdp:0:0:11:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 te
st:4:1000:1:0 #incorrect speaker and correct digit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11648 (3-6) 数字列照合(fd):指定話者+非指定数字列をテストとして使う
11649 speakerdigit_v fd:../l2voicedata/allpole/oob4dM50mbas2:100:0.7:1.y nSDL:7:10:10 pmin:0.01 pART:.55:0
25.4 ytm:1 phr:0.9 void:0 glibbs:1 beta:1 adp:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 te
st:4:1000:0:1 #incorrect digits
11650 #10 0.0539204 0.0658362 #t cpd> 2(std_pG) <-- OK because digit verification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11628 speakerdigit_v fs:../l2voicedata/allpole/oob4sN50mbas2:100:0.7:1.y nSDL:7:10:10 pmin:0.01 pART:.55:0 .25:4 yrm:1 PMr:0.9 void:0 glbbs:1 beta:1 sdP:0:01:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 te set:41000:1:0 #lncorrect speaker and correct digits
11629 #10 0.0956575 0.134748 #t cpg> 2(std_pG) <-- OK because speaker verification
11630 op tmp/testsd_stat.dat ../l2voicedata/allpole/testsd_stat_s_ricl_0ytml.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11654 speakerdigit_v fsd:../12voicedata/allpole/oob4sdN50mbas2:100:0.7:1.v nSDL:7:10:10 pmin:0.01 pART:.55 0.25:4 ytm:1 PNr:0.9 void:0 gibbs:1 beta:1 sdP:0:0:1:2:3:4:5:6:7:8:9 1T:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11659 speakerdigit_v fsd:../12voicedata/allpole/oob4sdN50mbas2:100:0.7:1.v nSDL:7:10:10 pmin:0.01 pART:.55 0.25:4 ytm:1 PNr:0.9 void:0 gibbs:1 beta:1 sdP:0:0:1.2:3:45:6:7:8:9 1T:1 sdT:0:0:1:2:3:45:6:7:8:9 ver:-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        speakerdigit_v fsd:../12voicedata/allpole/oob4sdN50mbas2:100:0.7:1.y nSDL:7:10 pmin:0.01 pART:.55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ·oob4speaker, oob4digit, oob4speakerdigitを1つにまとめるとともに、単一のCAN2を学習できるようにした。
・オプションは
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     verification
                                                               - オプションの修正 _ test:<id>- cost:<id>- cost:</d>

        cda1=0 かつ ricd >=0のとき 語者解り率rics、数字誤り率ricdで生成する。

        cda1=0のとき:これまでと同じ
        cid>=0のとき:これまでと同じ

        cid>=00 とき:これまでと同じ
        cid>=0で cricd>を指定しないとき:これまでと同じ

        rj+スト指で解析者 識別のデストとしては
        正解例 rest:4:1000:10 (指定語者が指定数字列を正しくテスト人力)を要理し、不正解例 rest:4:1000:1:0 (排指定語者が指定数字列をデスト入力)を棄却するた正解例 はを求めるのが目標へ

        たのしき、他を求めるのが目標へ
        (素のしき、他を求めるのが目標へ

        ためのしき、他を求めるのが目標へ
        まがに様定はたしたファイルを読み込むよりに係正した(下の(14)以下に結合の方法と集行結果)

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cp tmp/testsd_stat.dat ../12voicedata/allpole/testsd_stat_sd_riC0_0ytm1.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cp tmp/testsd_stat.dat ../12voicedata/allpole/testsd_stat_sd_riCl_0ytml.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #10 0.9128 0.213219 #t <pg> 2(std_pg) <-- OK because digit verification op tmp/testsd_stat_d_riCl_0ytml.dat</p>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  op tmp/testsd_stat.dat ../12voicedata/allpole/testsd_stat_d_riCO_lytml.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                cp tmp/testsd_stat.dat ../12voicedata/allpole/testsd_stat_s_riC0_lytml.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OK because speakerdigit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  speakerdigit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (3-8) 話者数字列照合(fsq):非指定話者+指定数字列をテストとして使う
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (3-9) 話者数字列照合(fsq):指定話者+非指定数字列をテストとして使う
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      のいずれかを使う。<sm>, <dm>は学習するマシンの番号。使用例は下の(4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (3-7) 話者数字列照合(fsd):指定話者+指定数字列をテストとして使う
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (3-4) 数字列照合(fd):指定話者+指定数字列をテストとして使う
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (3-2) 話者照合(fs): 非指定話者+指定数字列をテストとして使う
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (3-3) 話者照合(fs):指定話者+非指定数字列をテストとして使う
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (3-1) 話者照合(fs): 指定話者+指定数字列をテストとして使う
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             - OK because
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    sest:4:1000:1:0 #incorrect speaker and correct digit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2(std_pg)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #10 0.22628 0.244544 #t <pg> 2(std_pG)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #10 0.870785 0.180705 #t <pg>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (2) oob4speakerdigit+.c
                                    (1) speakerdigit_v.c
・オプションの修正 tes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 sest:4:1000:0:0 #correct
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             <mp>:<ms>:ps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (3) (1)の使用例
2013/02/06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           <ms>: 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               7: cdm>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                11615
11616
11617
11618
11619
                                                                                                        111603
111604
111605
111606
111607
111609
111610
111611
111612
111613
111613
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     11645
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11637
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11646
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11647
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11652
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

11697 cat ../l2voicedata/allpole/oob4s-lN50mbas2:100:0.7:1.ystat
11698 #oob4speakerdigit+ sp:fhs:fms:mkk:mko:mmt:mmh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu ntx
110.836 dirt.../l2voicedata/allpole/oob4s-lN50mbas2:100:0.7:1.ystat
110.00 0.94000 0.97000 0.10000 1.00000 1.87146-04 700 0 #TP.TM.FP.FN.ERR.n.sml
11701 0.95000 0.95000 0.03000 0.10000 1.87146-04 700 0 #TP.TM.FP.FN.ERR.n.sml
11702 0.82000 0.94833 0.01600 2.64286e-04 700 1 #TP.TM.FP.FN.ERR.n.sml
11703 0.82000 0.94833 0.01600 2.54286e-04 700 2 #TP.TM.FP.FN.ERR.n.sml
11704 0.80000 0.94833 0.01600 0.29238e-04 700 2 #TP.TM.FP.FN.ERR.n.sml
11705 0.79000 0.96000 0.040000 3.92928e-04 700 4 #TP.TM.FP.FN.ERR.n.smd
11706 0.79000 0.96000 0.040000 0.20000 3.57143e-04 700 6 #TP.TM.FP.FN.ERR.n.sm6
11707 (4-2) 上Øsm2Ø結果永藤V.O.C.Nを変えて整御1~~~ 11676 speakerdigit_v fsd:../12voiccedata/allpole/oobdsdN50mbas21100:0,711.y nSDL:?10:10 pmin:0.01 pART:.55 :0.25:4 ytm:1 pNr:0.9 void:0 gibbs:0 beta:1 sdp:0:0.1:2:3:4:5:6:7:8:9 1T:1 sdT:0:0:12:3:4:5:6:7:8:9 ver:-2 test4:100:0:0:0 #correct
11677 #10 0.817913 0.716401 #t cp> uncertainty_p(k2) <-- NG because big uncertainty(不確実性0.716401は変動が大きすぎる:予想外、予想ではpdが無限に単調増加) ytml.dat" using 1:2 w 1, "" using 1:2:3 w errorbars
11699 plot "restsd_stat_d_riclo_oytml.dat" using 1:2 w 1, "" using 1:2:3 w errorbars, "testsd_stat_d_ricl_ytml.dat" using 1:2 w 1, "" using 1:2:3 w errorbars, "testsd_stat_d_ricl_Jytml.dat" using 1:2 w 1, "" using 1:2:3 w errorbars, "testsd_stat_sd_ricl_Oytml.dat" using 1:2 w 1, "" u 11690 ing 1:2 w 1, "" using 1:2:3 w errorbars
11691 plot "estsd stat sd ric0_0ytml_b.dat" using 1:2 w 1, "" using 1:2:3 w errorbars, "testsd_stat_sd_ri_1, "" using 1:2:3 w errorbars, "testsd_stat_sd_ri_1692 11694 (4-1)まず、下の2013.01.24のoob4speaker.cと同じことを行った。 11694 (tal.) まず、下の2013.01.24のoob4speaker.cと同じことを行った。 11695 Erme oob4speakerdights ap:fiftsimkinkiosimut:umhimm txizeroiichliinlisaniyonigoiroku:nana:hachiikyu ntxiil0 ki36 diri:..12voicedata/allpole Ni50 mbasizi100:00.771 sr-1 N50 #learn speaker with all speaker (s:cat .../12voicedata/allpole/oob4s:6N40mbas2:100.0.77:1.yatat #0ob4speakerdigit+ sp:fhs:fms:mkk:mko:mmt:mmh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu nL: masas:2:100:0.77:1 dir:../12voicedata/allpole s:6 N:40 0.33000 0.95833 0.04167 0.17000 3.02381e-04 700 6 #TP.TN.FP.FN.FRR.n.sm6 #長くなった cat ../12voicedata/allpole/oob4s:2N100mbas2:100:0.7:1.ystat #oob4speakerdigit+ sp:fhs:fms:mkk:mko:mmt:mnh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu nL: .0.25.4 ytm:1 PNr:0.9 void:0 gibbs:1 beta:1 sdp:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 (4-4) 上の3つの結果のyファイルを結合したものを作る。 cp ...12voicedata/allpole/oob4s:-INS0mbas2:100:0,7:1.y .../12voicedata/allpole/oob4s.y cat ../12voicedata/allpole/oob4s:2N100mbas2:100:0,7:1.y >> ../12voicedata/allpole/oob4s.y cat .../12voicedata/allpole/oob4s:2N10mbas2:100:0,7:1.y >> ../12voicedata/allpole/oob4s.y (3-13) ベイズ推定(gibbs:0)+話者数字列照合(fsd):非指定話者+指定数字列をテストとして使う (3-12) ベイズ推定 (dipps:0)+話者数字列照合(ted):指定話者+指定数字列をテストとして使う speakerdigit verification "testsd_stat_s_ricO_0ytml.dat" using 1:2 w 1, "" using 1:2:3 w errorbars, op tmp/testsd_stat.dat ../12voicedata/allpole/testsd_stat_sd_riC0_0ytm1_b.dat cp tmp/testsd_stat.dat ../12voicedata/allpole/testsd_stat_sd_riC1_0ytm1_b.dat 10 k:36 mbas:2:100:0.7:1 dir:../12voicedata/allpole s:2 N:100 11711 #0.84000 0.96500 0.03500 0.16000 2.78571e-04 700 2 #TP.TN.FP.FN.ERR.n.,sm2 (3-11) 話者数字列照合(fsq):非指定話者+50%非指定数字列をテストとして使う (4-3) 上のsm6の結果も悪いので、Nを変えて学習してみて、N=40で次の結果 (3-10) 話者数字列照合 (fed):非指定話者+非指定数字列をテストとし <-- OK because 0 k:36 mbas:2:100:0.7:1 dir:../12voicedata/allpole s:2 N:100 test:4:1000:0:1 #incorrect digit 11665 #10 0.214459 0.194148 #t <pg> 2(std_pG) (3-15) gnuplotによる視覚化 cd ../12voicedata/allpole/ (4) (2)の使用例 #良くなった gnuplot 10 k:36 11683 11709 11674 11686 11687 11680 11685 11688 11684 11693

```
11778 oob4speakerdigit+ sp:fhs:fms:mkk:mko:mmt:mmh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu ntxi i.0 k:36 mbas:1:300.0.71 dir:../12voicedate/allpole_sd:47 m:50
11779 cat ../12voicedate/allpole/oob4sd:477850mbas2:300:0.7:1.ystat
11780 #oob4speakerdigit+ sp:fhs:fms:mkk:mko:mmt:mmh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu ntx ii.10 k:36 mbas:2:300:0.71.1 dir:../12voicedata/allpole sd:477 N:50
11781 0.70000 0.99130 0.00870 0.300000 4.40994e-04 700 4 7 #FP,TN:FRR.n.sm4 txm7
                                                     11726 speakerdigit_v fs:../12voicedata/allpole/oob4s.y nsDL:7:10:10 pmin:0.01 pART:.55:0.25:4 ytm:1 pNr:0.99 void:0 glbbs:1 beta:1 sdP:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 test:4:1000:0:0 #cor rect speaker and digit to the property of the property
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11737 plot "testsd_stat_s_ricO_Oytml_new.dat" using 1:2 w 1, "" using 1:2:3 w errorbars, "testsd_stat_s_ri
Cl_Oytml_new.dat" using 1:2 w 1, "" using 1:2:3 w errorbars
11738 plot "testsd_stat_s_ricO_Oytml.dat" using 1:2 w 1, "" using 1:2:3 w errorbars, "testsd_stat_s_ricl_O
ytml.dat" using 1:2 w 1, "" using 1:2:3 w errorbars
11739 #newの方が良いように見える。差は僅か?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     11766 #10 0.869749 0.179965 #t cp> uncertainty_p(k2)
11767 (4-6-4] 話者数字列照台:不正解話者十正解数字列
11768 speakerdigit_v fsd:...12voicedata/allpole/oob4sd.y nSDL:7:10:10 pmin:0.01 pART:.55:0.25:4 ytm:1 pNr:
0.9 void:0 gibbs:1 beta:1 sdp:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 void:0 gibbs:1 beta:1 sdp:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 mcorrect speaker and digit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  30 speakerdigit_v fs:../12voicedata/allpole/oob4s.y nSDL:7:10:10 pmin:0.01 pART:.55:0.25:4 ytm:1 PNr:0. id:0 glbbs:1 beta:1 sdP:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 test:4:1000:1:0 #cor speaker and digit with the control of the control of the correction of th
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     N50 mbas:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PNr:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      mbas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           mbas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11742 (4-6-1) sm5 txm4が 彫いので良いパラメタを探索(結果的にb=300が良かった)
11743 (4-6-1) sm5 txm4が 彫いので良いパラメタを探索(結果的にb=300が良かった)
11744 (4-6-1) sm5 txm4が 彫いのではいいでは、mth:wm tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu:11747 (4-6-1) sm5 txm4 for check. n30 (11744 0.40000 0.99710 0.00220 0.60000 8.612844-0.7005 4 #FP,TN,FP,FN,FRR.n,sm5 txm4 for check. N30 (11745 0.50000 0.99420 0.05080 0.50000 8.612844-0.7005 4 #FP,TN,FP,FN,FRR.n,sm5 txm4 for check. N40 (11746 0.40000 0.99420 0.00580 0.50000 0.50000 0.50000 0.52567e-04 700 5 4 #FP,TN,FP,FN,FRR.n,sm5 txm4 for check. N40 (11747 0.40000 0.99710 0.00229 0.50000 8.52567e-04 700 5 4 #FP,TN,FP,FN,FRR.n,sm5 txm4 for check. N50 (11747 0.40000 0.99710 0.00229 0.60000 8.59213e-04 700 5 4 #FP,TN,FP,FN,FRR.n,sm5 txm4 for check. N80 (11748 0.40000 0.99710 0.00229 0.60000 8.61284e-04 700 5 4 #FP,TN,FP,FN,FRR.n,sm5 txm4 for check. N80 (11748 0.40000 0.99710 0.00229 0.60000 8.61284e-04 700 5 4 #FP,TN,FP,FN,FRR.n,sm5 txm4 for check. N150 (11750 0.30000 0.99710 0.00229 0.70000 1.00414e-03 700 5 4 #FP,TN,FP,FN,FRR.n,sm5 txm4 for check. N150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      N50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   N40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  N40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                \verb|cat ...|12voicedata/allpole/oob4sd:5:4N50mbas2:300:0.7:1.y >> ...|12voicedata/allpole/oob4sd.y|
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2:50:0.7:1
11753 0.70000 0.97681 0.02319 0.30000 4.61698e-04 700 5 4 #TP,/TN,FP,FN,ERR,n,sm5 txm4 for check.
2:200:0.7:1
11754 0.90000 0.99710 0.00290 0.10000 1.46998e-04 700 5 4 #TP,/TN,FP,FN,ERR,n,sm5 txm4 for check.
2:300:0.7:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      check.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.50000 0.98841 0.01159 0.50000 7.30849e-04 700 5 4 #TP,TN,FP,FN,ERR,n,sm5 txm4 for check.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  txm4 for check.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    check.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cp ../12voicedata/allpole/oob4sdN50mbas2:100:0.7:1.y ../12voicedata/allpole/oob4sd.y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.50000 0.98841 0.01159 0.50000 7.30849e-04 700 5 4 #TP, TN,FP,FN,ERR,n,sm5 txm4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    txm4
                                                                                                                                                                                                                                                                                                                                                                                                        ../12voicedata/allpole/testsd_stat_s_riC0_0ytm1_new.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2:200:0.7:1
11758 0:90000 0:99130 0:00870 0:10000 1.55280e-04 700 5 4 #TP,TN,FP,FN,ERR,n,sm5
2:300:0.7:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11755 0.80000 0.99420 0.00580 0.20000 2.93996e-04 700 5 4 #TP,TN,FP,FN,ERR,n,sm5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (4-6-5) 以前と比較:以前(次)よりuncertainty_pが僅かに小さくなった?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    11769 10 0.219039 0.242057 #t uncertainty_p(k2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #10 0.22628 0.244544 #t  uncertainty_p(k2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (4-6-6) sm4 txm7でもNを探索
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cd ../12voicedata/allpole/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  話者数字列でも行う
                                                                                                                                                                                                                                                                                                                                                                                                                 cp tmp/testsd_stat.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (4-6-2) yファイルを結合
(4-5) 作ったもので認識
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (4-5) gnuplot で確認
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            gnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (4-6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2:400:0.7:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9 void:0
rect speal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11747
11748
11749
11750
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11752
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11762
```

eadmecan2mspeech.tx Dec 05 2019 13:52:41

(4-6-7) yファイルを結合

```
..55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11811 speakerdigit_v fsd:../12voicedata/allpole/oob4sdN50mbas2:100:0.7:1.y nSDL:7:10:10 pmin:0.01 pART:.55 c.254 yturin Pnr:0; void:0 glbbs:1 beta:1 sdP:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 test:3:1000:0.8 #incorrect
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11822 speakerdigit_v fsd:../12voicedata/allpole/oob4sdN50mbas2:100:0.7:1.y nSDL:7:10:10 pmin:0.01 pART:.55 c.2514 yrun; 0 par:0.9 void:0 gibbs:1 beta:1 sdp:0:011:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 test:3:1000:0.8 #incorrect
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    11830 speakerdigit_v fs:./|Zvoicedata/allpole/oob4sN50mbas2:100:0.7:1.y nSDL:7:10:10 pmin:0.01 pART:.55:0 25:4 ymml ppr:0.9 void:0 glbbs:1 betail adp:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 te st:1:1000:0.8 #incorrect
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11832 speakerdigit_v fd:../l2voicedata/allpole/oob4dN50mbas2:100:0.7:1.y nSDL:7:10:10 pmin:0.01 pART::55:0 55:0 55:4 ymml PPR:0.9 void:0 glbbs:1 beta:1 sdP:0:0:112:3:45:5:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 te s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11833 speakerdigit_v fd:../12voicedata/allpole/oob4dN50mbas2:100:0.7:1.y nSDL:7:10:10 pmin:0.01 pART:.55:0 .25:4 ytm:1 PNr:0.9 void:0 gibbs:1 beta:1 sdP:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 te
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        118008 speakerdigit_v fsd:../12voicedata/allpole/oob4sdN50mbas2:100:0.7:1.y nSDL:7:10:10 pmin:0.01 pART:.55 .../2554 ytm.1 PNr:0.9 void:0 gibbs:1 beta:1 sdP:0:0:1:2:3:4:5:6:7:8:9 lT:1 adT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 test:3:1000:0 #correct void:0:1:2:3:4:5:6:7:8:9 ver:-2 11809 op tmp/tested_stat.dat ../12voicedata/allpole/tested_stat_sd0ytml.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11829 speakerdigit_v fs.../12voicedata/allpole/oob4sN50mbas2:100:0.7:1.y nSDL:7:10:10 pmin:0.01 pART:.55:0
25:4 ytml DN:0.9 void:0 glbbs:1 beta:1 sdP:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 te
st:1:1000:0 #correct
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11835 speakerdigit_v fsd:../12voicedata/allpole/oob4sdN50mbas2:100:0.7:1.y nSDL:7:10:10 pmin:0.01 pART:.55
:0.25:4 ytm:1 pNr:0.9 void:0 gibbs:1 beta:1 sdp:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2
test:3:1000:0 #correct
                                                                                                                                                                                                             11789 speakerdigit_v fsd:../12voicedata/allpole/oob4sd.y nSDL:7:10:10 pmin:0.01 pART:.55:0.25:4 ytm:1 pNr:0.9 void:0 glbbs:1 beta:1 sdp:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 test:4:1000:1:0 #1
                                                                                                                                                                                                                                                                                                                                                                                                                               11792 speakerdigit v fsd:../l2voiccedata/allpole/oob4sd.y nSDL:7:10:10 pmin:0.01 pART:.55:0.25:4 ytm:1 pNr: 0.9 void:0 glbbs:1 beta:1 sdp:0:01:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 test:4:1000:1:0 #1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          dat.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11818 ###ytm:0の方がいいかも?そうでもないかな?
11819 speakerdigit_v fsd:../12voicedata/allpole/oob4sdN50mbas2:100:0.7:1.y nSDL:7:10:10 pmin:0.01 pART:
:0.25:4 ytm:0 PNr:0.9 void:0 gibbs:1 beta:1 sdP:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:
test:3:1000:0 #correct
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "" using 1:2:3 w errorbars, "testsd_stat_sd0.8ytml.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11826 plot "testsā stat_sd0ytm0.dat" using 1:2 w l, "testsā stat_sd0ytm0.dat" using 1:2:3 w errorbars, stsā stat_sd0.8ytm0.dat" using 1:2 w l, "testsā stat_sd0.8ytm0.dat" using 1:2:3 w errorbars
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2013/02/05 岁方
(1) サンブルを生成しテストするプログラムを作成した。
・オブション test:cid>:cxic>
・オブション csti>cid>:cxic>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cp .../l2voicedata/allpole/oob4sdN50mbas2:100:0.7:1.y .../l2voicedata/allpole/oob4sd.y cat .../l2voicedata/allpole/oob4sd.y cat .../l2voicedata/allpole/oob4sd.y cat .../l2voicedata/allpole/oob4sd.y cat .../l2voicedata/allpole/oob4sd.y cat .../l2voicedata/allpole/oob4sd.y cat .../l2voicedata/allpole/oob4sd.y

    cid>=1のとき: speaker が ric の割合で正しくない.ric=0のとき正しい。
    cid>=2のとき: digit が ric の割合で正しくない.ric=0のとき正しい。
    は cid>=3のとき: speaker と digit, それぞれが ric の割合で正しくない.ric=0のとき正しい。
    ・ 禁果はrmp/restsd.datと と rmp/restsd.stat に書き出す。
    ・ rmp/restsd_stat.datの第3要素はカバレッジファクタk=2(約95%カバー)の拡張不確かさ(計劃工学参照)

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ../12voicedata/allpole/testsd_stat_sd0.8ytm1.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cp tmp/testsd_stat.dat ../12voicedata/allpole/testsd_stat_sd0.8ytm0.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cp tmp/testsd_stat.dat ../12voicedata/allpole/testsd_stat_sd0ytm0.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11836 cp tmp/testsd_stat.dat ../12voicedata/allpole/testsd_stat_sd0.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10 0.208707 0.239441 #t  uncertainty p(k2)
## さらによくなった:(4-6-4)や(4-6-5)よりUncertaintyが小さくなった。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     plot "testsd_stat_sd0ytm1.dat" using 1:2 w 1,
                                                                                                                                                                                                                                                                                                                                                  10<sup>0</sup>0.873486 0.177889 #t wncertainty_p(k2) (4-6-9) 話者数字列照合:不正解話者+正解数字列
                                                                                                                                                                    (4-6-8) 話者数字列照合:不正解話者+正解数字列
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "" using 1:2:3 w errorbars
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ../12voicedata/allpole
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ../12voicedata/allpole
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cp tmp/testsd_stat.dat
cd ../12voicedata/allpc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ####################
                                                                                                                                                                                                                                                                                                              ncorrect speaker and digit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ncorrect speaker and digit
11793 10 0.208707 0.23944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    st:2:1000:0.8 #incorrect
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            T:<sT>:<dT1>:...のデスト。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #try from here
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #try to here
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1:2 w 1,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           gnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 gnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     11801
年成し、テスト。
11802
11803
11804 ・結果は
11805 ・結果は
11806 ・ tmp/t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                11812
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   " using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     11796
11797
11798
11799
11800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11814
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11820
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    11823
                                                                                                                                                                                                                                                                                                                                                  11790
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11821
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11825
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11828
```

```
11840 op tmp/testsd_stat.dat ../12voicedata/allpole/testsd_stat_s1.dat
11841 speakerdigity v fsdi../12voicedata/allpole/testsd_stat_s1.00:0.7:1.y nSDL:7:10:10 pmin:0.01 pART:.55
:0.25:4 ytm:1 PRN:0.9 void:0 gibbs:1 beta:1 sdP:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2
test:2:1000:0.5 #digit incorrect
      pmin:0.01 pART:.55
                                                             sdT:0:0:1:2:3:4:5:6:7:8:9
11839 speakerdigit_v fsd:../12voicedata/allpole/oob4sdN50mbas2:100:0 7:1.y nSDL:7:10:10 ... 22:4 ytur 1 par:0,9 void:0 glbbs:1 beta:1 sdP:0:01.12:3:4:5:6:7:8:9 1r:1 sdR:0:0:11:2:3:4:6:8:11:1000:1.0 #speaker incorrect
                                                                                                                                                                                                                                                                                                                                                                        ../12voicedata/allpole/testsd_stat_d0.5.dat
                                                                                                                                                                                                                                                                                                                                                                                    cp tmp/testsd_stat.dat
```

using 1:2 w 1, "testsd_stat0.dat" using 1:2:3 w errorbars, "testsd_stat0.8.d "testsd sta 11846 plot "testsd_stat_sd0.dat" using 1:2 w l, "testsd_stat_sd0.dat" using 1:2:3 w errorbars, t_s1.dat" using 1:2 w l, "testsd_stat_s1.dat" using 1:2:3 w errorbars 11847 using 1:2 w l, "testsd_stat0.8.dat" using 1:2:3 w errorbars cd ../12voicedata/allpole gnuplot

11851 (1) pPPとpRNの分散が最小のythを用いる手法(ytm:1).従来手法(PNrを用いる場合)は ytm:0 1885 speakerdigtt-v fs:.../fxotocedata/allpolt-objs8N50mbas2100:0.77.1.y nSD2.77.10.10 pmin:0.01 pART:.55:0 25:4 ytm:1 pNr:09 void:0 gibbs:1 beta:1 sdp:0i0:1123:415:677819 17:1 sdf:0i0:1233:415:677819 ver:-2 #c 11853 speakerdigit_v fd:../12voicedata/allpole/oob4dN50mbas2:100:0.7:1.y nSDL:7:10:10 pmin:0.01 pART:.55:0 .25:4 ytm:1 PNr:0.9 void:0 gibbs:1 beta:1 sdP:0:0:1:2:3:4:5:6:7:8:9 1T:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 #c 11848 plot "testsd_stat0.dat" 11850 2013/02/05 orrect

11854 speakerdigit_v fsd:../12voicedata/allpole/oob4sdN50mbas2:100:0.7:1.y nSDL:7:10:10 pmin:0.01 pART:.55 :0.25:4 ytm:1 PNr:0.9 void:0 gibbs:1 beta:1 sdP:0:0:1:2:3:4:5:6:7:8:9 IT:1 sdT:0:0:1:2:3:4:5:6:7:8:9 ver:-2 11856 2013.01.30 午後

11874 2013.01.29 11875 (1) 指名数字 照合プログラム speakerdigit_v.c (初版)が何とかできた。話者数字列が正順の時はのK7 不正語 42.4 不正数字列のときあまり上手く行かない? 11876 speakerdigit_v fs:../12voicedata/allpole/oob48N5Ombas2:100:0.7:1.y nSDL:7:11:10 pmin:0.01 pAkT:.95:0 125:4 PM: 0.9 voidi 0 gibbs:1 beta:0.2 adp:0:01:12:334:5:67:8:9 1Tic 0 adf:0:01:12:334:5:67:78:9 proorrect 11877 speakerdigit_v fd:.../12voicedata/allpole/oob48N5Ombas2:100:0.7:1.y nSDL:7:110:10 pmin:0.01 pAkT:.95:0 11878 speakerdigit_v fd:.../12voicedata/allpole/oob48N5Ombas2:100:0.7:1.y nSDL:7:10:10 pmin:0.01 pAkT:.95:0 11878 speakerdigit_v fd:.../12voicedata/allpole/oob48NSOmbas2:100:0.7:1.y nSDL:7:10:10 pmin:0.01 pAkT:.95:0.7:13 pmin:0.01 pakT:.95:0.7:13 pmin:0.025:4 pwin:0.9 voidi 0 gibbs:1 beta:0.2 adp:0:01:12:3:44:56:7:89 pmin:0.7:11.y nSDL:7:10:10 pmin:0.0 pmin:0.0 pmin:0.0 pmin:0.0 pmin:0.00 pmin:0

11880 speakerdigit_v fd:../12voicedata/allpole/oob4dN50mbas2:100:0.7:1.y nSDL:7:10:10 pmin:0.01 pART:.95:0 25:4 PNr:0.9 void:0 gibbs:1 beta:0.2 sdp:0:0:12:3:4:5:6:7:8:9 lT:1 sdT:0:1:2:3:4:5:6:7:8:9:0 #incorrect se 11881 speakerdigit_v fs:../12voicedata/allpole/oob4sN50mbas2:100:0.7:1.y nSDL:7:10:10 pmin:0.01 pART:.95 25:4 PNr:0.9 void:0 gibbs:1 beta:0.2 sdP:0:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:1:0:1:2:3:4:5:6:7:8:9 #incorrect .95:0 but 11883 speakerdigit_v fd:../12voicedata/allpole/oob4dN50mbas2:100:0.7:1.y nSDL:7:10:10 pmin:0.01 pART:. 25:4 PNr:0.9 void:0 gibbs:1 beta:0.2 sdp:1:0:1:2:3:4:5:6:7:8:9 lT:1 sdT:1:0:1:2:3:4:5:6:7:8:9 #correct

~ 2013.01.24 (1) CAN2の話者数字照合出力をパグ外推定で求める→安定で高い正解? プログラム oob4speaker.c oob4digit.c (2)実行例:

11892 time oobdspeaker gp:ffb:fms:mkk:mko:mmt:mmh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu ntxi: 10 k:36 dir:../12voicedata/allpole NiS0 mbas:2100:0,7:1 11893 #../12voicedata/allpole/oobdsbyOmbas2:100:0,7:1.y

0.90000 0.97000 0.03000 0.10000 1.85714e-04 700 0 #TP,TN,FP,FN,ERR,n,sm0 0.84000 0.97500 0.02500 0.166002 5.64286e-04 700 1 #TP,TN,FP,FN,ERR,n,sm1 0.79000 0.96167 0.03833 0.21000 3.54762e-04 700 2 #TP,TN,FP,FN,ERR,n,Sm2 0.82000 0.94833 0.01567 0.18000 3.54762e-04 700 3 #TP,TN,FP,FN,ERR,n,Sm3 0.81000 0.98333 0.01567 0.18000 2.9528e-04 700 4 #TP,TN,FP,FN,ERR,n,Sm3 0.81000 0.98333 0.01667 0.19000 2.9528e-04 700 4 #TP,TN,FP,FN,ERR,n,Sm4 0.79000 0.96000 0.04000 0.20000 3.42877e-04 700 5 #TP,TN,FP,FN,ERR,n,Sm5 1.7000 0.96000 0.04000 0.21000 3.57143e-04 700 6 #TP,TN,FP,FN,ERR,n,Sm5 1.712voicedata/allpole/oob4s:2Nl00mbas2:100:0.7:1.Y

11938 0.74286 0.98732 0.01270 0.25714 3.85488-04 700 2 #TP, INP, IPP, INP, IRR, In, LXML X.
11938 0.775714 0.957619 0.02381 0.025486 3.89588-04 700 2 #TP, INP, IPP, IRR, In, LXML X.
11940 0.94286 0.96567 0.03333 0.05714 1.292526-04 700 3 #TP, INP, IPP, IRR, IN, LXML X.
11941 0.91429 0.99562 0.00376 0.08571 1.292526-04 700 5 #TP, INP, IPP, IRR, IN, LXML A.
11943 0.81429 0.99468 0.00358 0.20000 2.99488-0-04 700 5 #TP, INP, IPP, IRR, IRR, In, LXML X.
11944 0.81429 0.99468 0.005540 0.00550 0.0000 2.99320e-04 700 7 #TP, INP, IPP, IRR, IRR, In, LXML X.
11945 0.99048 0.00550 0.00552 0.0000 2.99320e-04 700 8 #TP, INP, IPP, IRR, IRR, In, LXMR X.
11946 cat .../12voicedata(allpole/oob4d;8NS0mbas2:300:1.0:1.)%tat TN, IPP, IRR, IRR, IN, ISR, IN

ntx

11950 #oob4speakerdigit+ sp:fhs:fms:mkk:mko:mmt:mh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu ntx 1.10 k:36 Mass12:300:1.0:1 dt:r:./12voicedata/allpole d:2 N:50 cat ../12voicedata/allpole/oob4d:8N30mbas2:300:0.7:1.ystat 11953

11963 #oob4speakerdigit+ sp:ffns:fms:mkk:mko:mmt:mnh:mym tx:zero:ichi:ni:san:yon:go:roku:nana:hachi:kyu ntx 1:10 k:36 mbas:2:300:0.7:1 dir:../12voicedata/allpole d:8 N:100 11964 0.72857 0.98730 0.01270 0.27143 4.05896e-04 700 8 #TP,7N,Fp,FN,ERR,n,txm8x

```
TP, ERR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #NG5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #NG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #NG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #NG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #NG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #NG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #NG
                                                                                                                                                                                                                     txm0
txm1
txm2
txm2
txm3
txm4
txm6
txm6
txm7
txm8
txm9
txm0
txm0
txm0
txm0
txm0
txm3
txm3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   txm8 txm9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                txm7
txm8
txm9
txm0
txm1
txm1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           txm7
txm8
txm9
txm0
                                                                                                                                                                                                                                                                                                                                                                                                                                       txm5
txm6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              txm0
txm1
txm2
txm3
txm3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      txm3
txm4
txm5
txm6
txm7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        txm0
txm1
txm2
txm3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  txm4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  txm2
txm3
txm4
txm5
txm6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     txm7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    txm6
                                                                                                                                                                                                                                                                                                                                                                                                                           txm4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       txm5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             txm9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               txm6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      txm1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        txm8
                                                                                                                                                                                                                1 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
5 #TP, TN, FP, FN, ERR, N, SMO U
6 #TP, TN, FP, FN, ERR, N, SMO U
9 #TP, TN, FP, FN, ERR, N, SMO U
9 #TP, TN, FP, FN, ERR, N, SMO U
1 #TP, TN, FP, FN, ERR, N, SMO U
1 #TP, TN, FP, FN, ERR, N, SMO U
1 #TP, TN, FP, FN, ERR, N, SMO U
1 #TP, TN, FP, FN, ERR, N, SMO U
1 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
2 #TP, TN, FP, FN, ERR, N, SMO U
3 #TP, TN, FP, FN, ERR, N, SMO U
3 #TP, TN, FP, FN, ERR, N, SMO U
3 #TP, TN, FP, FN, ERR, N, SMO U
3 #TP, TN, FP, FN, ERR, N, SMO U
3 #TP, TN, FP, FN, ERR, N, SMO U
3 #TP, TN, FP, FN, ERR, N, SMO U
3 #TP, TN, FP, FN, ERR, N, SMO U
3 #TP, TN, FP, FN, ERR, N, SMO U
3 #TP, TN, FP, FN, ERR, N, SMO U
3 #TP, TN, FP, FN, ERR, N, SMO U
3 #TP, TN, FP, FN, ERR, N, SMO U
3 #TP, TN, FP, FN, ERR, N, SMO U
3 #TP, TN, FP, FN, ERR, N, SMO U

                                                                                                                                                                                      #oob4speakerdigit sp:fhs:fms:mkk:mko:wmt:mnh:mym tx:zero:ichi:ni:san:yon:go:
5 N:50 mbas:2:100:0.7:1 dir:../l2voicedata/allpole
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ERR,n,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ERR,n,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ERR,n,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ERR, n,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ,EP,
                                                                                                                                                                                                                   ./12voicedata/allpole
.0000 1.42857e-04 700 0 1
.0000 5.71429-04 700 0 1
.0000 5.71429-04 700 0 2
.0000 1.45998-04 700 0 3
.0000 1.45968-04 700 0 5
.0000 1.45968-04 700 0 5
.0000 1.45968-04 700 0 5
.0000 1.45968-04 700 0 1
.0000 2.85714e-04 700 1 2
.0000 4.28714e-04 700 1 2
.0000 2.85714e-04 700 1 2
.0000 2.85714e-04 700 1 2
.0000 2.85714e-04 700 1 3
.0000 2.85714e-04 700 1 3
.0000 2.85714e-04 700 1 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5.77640e-04 700 2

5.77640e-04 700 2

5.77640e-04 700 2

1.05520e-05 700 2

1.05520e-05 700 2

1.05531e-05 700 2

1.05631e-05 700 2

1.42857e-04 700 2

1.42857e-04 700 3

1.42857e-04 700 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2.89855e-04 700
2.87144e-04 700
2.887144e-04 700
2.89855e-04 700
2.89855e-04 700
3.445135e-04 700
4.45135e-04 700
4.45135e-04 700
4.32712e-04 700
4.32712e-04 700
4.32855e-04 700
1.45058e-04 700
1.57356e-04 700
1.57350e-04 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1.44928e-04 700 6
1.44928e-04 700 6
2.91925e-04 700 6
                                                                                                                                                                                                                   0.20000
0.40000
0.20000
0.10000
0.30000
0.20000
0.20000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.30000
0.30000
0.60000
0.00000
0.10000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.20000
0.50000
0.50000
0.10000
0.40000
0.10000
0.10000
0.10000
0.10000
0.10000
0.10000
0.10000
0.10000
                                                                                                                                                                                                                111967
111968
0
111969
0
111971
0
111972
0
111974
0
111977
111977
111977
111977
111977
111977
111977
111977
111977
111977
111977
0
111977
111977
0
111977
0
111977
0
111977
1
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

12096 see readme.mineishi (from original readme-mineishi.dat)
12097 loodmullisepe-sr-ti-mine spirameinss-imtrimwk:mym txxiadigaku:fukuokaken:gakusei:kikai:kyuukoudai ntxi:
13097 loodmullistep-sr-ti-line spirameinss-imtrimwk:mym txxiadigaku:iukuokaken:gakualipole rsa:2:0.771:20
12098 loodmullistep-sr-td spifna:mkh:mki:mmo:mrn tx:daigakulidaigaku2:daigaku4:daigaku5:daigaku6:daigaku5:daigaku5:daigaku5:daigaku1:nyineinsigaku6:daigaku1:daigaku5:daigaku6:daigaku6:daigaku5:daigaku6: し)に対する 11)に対する test 1\in (4) 出力ファイル(詳しくはプログラムを見よ) .../12voicedata/allpoleの下に 1co4sN20.y:鄭m行にCAN2^{s_m} (s_m\in S)の出力,各行は特徴x_{s,d,i} (s\in S, d\in D, l\in) coduct co :特定数字での話者CAN2<leave-oneset-out>) cat ../12voicedata/allpole/loo4sN60.ystat #test# time loo4speaker sp:fhs tx:zero ntxi:1 k:36 N:20 dir:../12voicedata/allpole #for 1004sN20.ystat:第m行にCaN2^{s_m} (s_m\in S) に対するTP,TN,PP,n,ERR,S,sm などを保存 1004dN20.y:第m行にCaN2^{d_m} (d_m\in S) の出力,各行は特徴太_{s,d,i} (s\in S, d\in D, 2013.01.20 (1) 特徴ベクトルファイルをleave-outでCAN2により学習予測するプログラム 1004speaker.c 話者CAN2-不特定数字(テキスト独立)特定話者CAN2 cleave-one-out> (similar but not equal to ...ニェット知ウ話者cAN2cleave-ones ,n,sm6 ,n,sm6 ,n,sm6 ERR, FP, FN, I FP, FN, I FP, FN, I E E E E *話者:msm,mss,mtn,mwk,mym %テキスト: Odaigaku,lfukuokaken,2gakusei,3kikai,4kyuukoudai %テキスト:4kyuukoudai,Odaigaku,3kikai,1fukuokaken,2gakusei (2) 使用例 D=数字集合=[zero,ichi,ni,san,yon,go,roku,nana,hachi,kyu} B=新考集合=[fhs:fms:mkk:mko:mmt:mnh:mym} L=引数集合=[1,2,\cdots,|L|=10?}とする。 #### 9949 700 6 similar but not equal to 0.99710 0.00290 0.10000 1.46998e-04 1.00000 0.00000 0.30000 4.2871e-04 0.99710 0.00290 0.10000 1.46998e-04 0.99855 0.00145 0.10000 1.44828e-04 real93m54.088suser17m41.682ssys5m55.038s loo4multistep-##################### #################### loo4digit.c boo4speakerdigit.c 語 110616 2011.06.16 ################## loo4sdN20.y:各 2013.01.17 0.90000 (4) 12080 12081 12056 12057 12057 12059 12060 12061 12062 12064 12065 12075 12076 12087 12088 12089 12091 12092 12093 12094 12095 12096 12083 12085

Ir2.76e-01<PIrth<minPIv1.00e+20

12110 loo4gibbs-sr fn:../mineishi/text-depdata2.dat ns:5 ntx:5 ntxi:10:10 pmin:0.0 pth:.999 ith:4 ts:4:0:3
11:2 tdisp:4 fmt:%.8f:1 PNr:.9 void:11:1e-4 gibbs:0 mex:0
12111 #v/max0 response time steps=5.48=(4.40+4.00+7.40+6.60+5.00+)/5, (fp+Fp)/All=(0+0)/25 Err:none #maxPI
12112 #v/max1 response time eteneer falls.

```
12142 #NGloodgibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntxi:10:10 pmin:0.0 pth:.999 ith:4 ts:4 s:10:31:2 td.25p4 fmt.*8.8f1:pmr:.9 void:11:10-4 gibbs:0 mex.-1
12.43 #NG because #Vinex1 response time steps=6.72=(6.00+6.20+8.00+6.80+6.60+)/5, (fp+FP)/All=(1+0)/25 Err IDMOS1c4 #naxPir3.73e-05cPirtheninPiv4.19e-02
12.144 #NG#Vinex-1 response time steps=6.520+5.40+7.80+6.20+5.40+7/5, (fp+FP)/All=(0+0)/25 Err:none #naxPir3.78e-05cPirtheninPiv3.00e+20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12155 #loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:10 pmin:0.0 pth:.9999 ith:4 ts:4: 07:3:112 tdisp.4 fmtr.% fgf:1 pMr:.9 void:1:1e-4 gibbs:0 mex:-1 12156 ##vlmex0 response time steps=7.48=(7.80+6.20+8.60+8.50+6.60+)/5, (fp+Fp)/All=(0+0)/25 Err:none #max prs:0le-05cplrthwninprv6.73e-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                    12120 #vlmex1 response time steps=5.92=(5.60+4.00+8.00+6.80+5.20+)/5, (fp+FP)/All=(0+0)/25 Err:none#maxPIr
2.16e-01<PIrth<minpIv6.43e-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12131 loo4gibbs-zr fm:../mineishi/text-indepdata.dat ns:5 ntxi:10:10 pmin:0.0 pth:.9997 ith:4 ts:4:0
:3:112 tdispid fmt:8.6fil ppr:-9 voidil:11e4 gibbs:0 mex:0
12132 #Ulmex-I response time steps=6.84=(7.00+5.80+8.60+6.40+)/5, (fp+Fp)/All=(0+0)/25 Err:none #maxp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12145 loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntx:5 ntx:10:10 pmin:0.0 pth:.9999 ith:4 ts:4:0 :3:1:2 tdisp:4 fmt:%.8f:1 pNr:.9 void:1:1e-4 gibbs:0 mex:-1 12146 #vlmex0 response time steps=7.48e(7.80+6.20+8.60+8.20+6.60+)/5, (fp+FP)/All=(0+0)/25 Err:none #maxPI
                                     12113 #vlmex2 response time steps=5.52=(5.00+4.00+7.60+6.40+4.60+)/5, (fp+FP)/All=(0+0)/25 Err:none #maxPI
r2.45e-06<PIrth<br/>minPIv1.56e-02
                                                                                                                                     #vlmex3 response time steps=5.12=(4.60+4.00+7.80+4.60+3.60+)/5, (fp+FP)/All=(0+0)/25 Err:none #maxPI
                                                                                                                                                                                                                                                                                                                                                                                                               loo4gibbs-sr fn:../wineishi/text-depdata2.dat ns:5 ntx:5 ntxi:10:10 pwin:0 beta:1 pth:.71 ith:4 ts:4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #vlmex2 response time steps=7.48=(7.00+7.00+10.00+7.00+6.40+)/5, (fp+FP)/All=(0+0)/25 Err:none#maxPI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #vlmex4 response time steps=6.32=(5.80+5.20+6.20+7.60+6.80+)/5, (fp+Fp)/All=(0+0)/25 Err:none #maxPI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #NG#vlmex1 response time steps=6.72=(6.00+6.20+8.00+6.80+6.60+)/5, (fp+Fp)/All=(1+0)/25 Err:IDm2slt4
                                                                                                                                                                                                                               12115 #vlmex4 response time steps=4.28=(4.40+4.00+4.00+5.00+4.00+)/5, (fp+Fp)/All=(0+0)/25 Err:none #maxPl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #vlmex4 response time steps=5.4=(5.20+5.20+5.20+6.20+5.20+)/5, (fp+FP)/All=(0+0)/25 Erx:none#maxPIrl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              loo4gibbs-sr fn:../wineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:10 pwin:0.0 pth:.999 ith:4 ts:4:0:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3:1:2 tdisp.4 fmt:%.8f:1 PNr:.9 void:1:1e-4 glbbs:0 mex:-1
12127 #Original Verification FP Rate:0.010(2/200)0.010(2/200)0.020(4/200)0.060(12/200)0.050(10/200)
12128 #Original Verification FP Rate:0.360(18/50)0.300(15/50)0.400(20/50)0.340(17/50)0.320(16/50)
12129 #Original Identification Error Rate:0.200(10/50)0.200(10/50)0.280(14/50)0.420(50)0.420(21/50)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12135 #vlmex2 response time steps=7.12=(6.60+6.40+10.00+6.80+5.80+)/5, (fp+FP)/All=(0+0)/25 Err:none irs. 440-66zPirchminPTv4.10e-04
12.342 #vlmex3 response time steps=7.12=(6.60+6.60+8.60+6.40+6.80+)/5, (fp+FP)/All=(0+0)/25 Err:none irs. 3.7e-05cPirchminPTv1.14e-03
12.137 #vlmex4 response time steps=5.8=(5.40+4.20+6.00+6.60+6.80+)/5, (fp+FP)/All=(0+0)/25 Err:none irs. 3.7e-05cPirchminPIv1.11e-03
12.318 echo "print (6.84+7.4+7.12+7+5.8)/5" | gnuplot #6.832
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ir3.85e-05cPirthrainPrV1.00e+70
12133 #vlmex0 response time steps=6.84=(7.40+5.40+8.20+7.00+6.20+)/5, (fp+FP)/All=(0+0)/25 Err:none
Ir5.01e-05cPirthrainPrV-73e-03
12134 #vlmex1 response time steps=7.4=(7.20+6.60+8.00+7.60+7.60+)/5, (fp+FP)/All=(0+0)/25 Err:none
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #vlmex2 response time steps=6=(5.60+4.00+8.80+6.40+5.20+)/5, (fp+FP)/All=(0+0)/25 Err:none
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           r7.27e-09<PIrth<minpIv1.25e-01
12116 echo "print (5.48+5.64+5.52+5.12+4.28)/5"|gnuplot #5.208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (7.48+7.88+7.48+7.32+6.32)/5"|gnuplot #7.296
(5.01e-5+4.1e-4)/2"|gnuplot #0.00023005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   echo "print (5.92+5.92+6+5.72+5.4)/5" | gnuplot #5.792
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  xPIr3.85e-05<PIrth<minPIv1.00e+20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ir3.73e-05<PIrth<minPIv4.19e-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            r5.01e-05<PIrth<minPIv6.73e-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           r3.73e-05<PIrth<minPIv4.19e-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 r3.43e-06<PIrth<minPIv4.10e-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           r3.37e-05<PIrth<minPIv1.14e-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           r3.37e-05<PIrth<minpIv1.11e-03
12151 echo "print (7.48+7.88+
                                                                                                                                                                                     r2.45e-06<PIrth<minPIv6.76e-02
r2.26e-07<PIrth<minPIv1.21e-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              54e-01<PIrth<minPIv8.12e-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "print
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      12150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      12148
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12152
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

#NG#vlmex2 response time steps=6.6=(6.00+6.00+8.80+6.40+5.80+)/5, (fp+FP)/All=(0+0)/25 Err:none #maxPIr3.43e-06<PIrth<minPIv4.10e-04 #maxPIr3.73e-05<PIrth<minPIv4.19e-02

#NG#vlmex3 response time steps=6.32=(5.60+5.80+8.00+5.80+6.40+)/5, (fp+FP)/All=(0+0)/25 Err:none 12164 #NG#v1mex4 response time steps=5.32=(5.20+4.00+5.40+6.40+5.60+)/5, (fp+FP)/All=(0+0)/25 Err:none #maxPIr3.37e-05<PIrth<minpIv1.14e-03

#maxPIr3.37e-05cPIrth<minPIv1.11e-03 12165 #NGecho "print (6.2+6.72+6.6+6.32+5.32)/5"|gnuplot #6.232

ts: Err: none#maxPI loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:10 pmin:0 beta:1 pth:.61 ith:4 12168 #vlmex-1 response time steps=5.64=(5.00+4.60+7.20+6.00+5.40+)/5, (fp+FP)/All=(0+0)/25 r3.62e-01cPirthcminpIv1.00e+20 4:0:3:1:2 tdisp:4 fmt:%.3f:1 PNr:.9 void:1:.41 gibbs:1 mex:0 12168 #vlmex-1 response time steps=5.64=(5.00+4.60+7.20+6.0

#maxPI

#maxPI #maxPI 12171 #vlmex2 response time steps=6.24=(6.20+5.80+8.20+6.00+5.00+)/5, (fp+PP)/All=(0+0)/25 Err:none = x2.84e-01<PIrthcminpIv4.58e-01 12173 #vlmex4 response time steps=5.28=(5.60+4.00+4.60+6.80+5.40+)/5, (fp+FP)/All=(0+0)/25 Err:none 12172 #vlmex3 response time steps=5.8=(5.40+5.80+7.20+5.40+5.20+)/5, (fp+FP)/All=(0+0)/25 Err:none rs.57e-01r3.57e-01pr r3.61e-01<PIrth<minPIv7.28e-01

r3.57e-01<PIrth<minPIv5.06e-01

echo "print (6.4+6.84+6.24+5.8+5.28)/5" |gnuplot #6.112

#maxP ##vlmex1 response time steps=7.4=(7.80+6.20+8.80+7.60+6.60+)/5, (fp+Fp)/All=(0+0)/25 Err:none Ir3.61e-01<PIrth<minPIv7.28e-01

#maxP

and pth:.60(gibbs:1) use tdisp:4 m2s1t4 because the result of pth:.99(gibbs:0)

12190 loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:l0:10 pmin:0.0 pth:.99 ith:4 ts:4:0:3 lil2 tdispt.4 fnt.*8.fs it pkr:.9 void:11-tdispt.60-mcx:1 lil2 tdispt.4 fnt.*8.fs it pkr:.9 void:11-td-4 gibbs.0 mcx:1 lil2 tdispt.7 fnt.*8.fs it pkr:.1Dm2slt4 #ma lil2191 #limax1 response time steps=5.4e(5.004.60+6.60+6.60+5.00+)/5, (fp+Pp)/All=(1+0)/25 Err:IDm2slt4 #ma xPIr3.73e-05<PIrth<minPIv4.19e-02

12192 loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntx:5 ntx:110:10 pmin:0 beta:1 pth:.60 ith:4 ts: 4:3:1:2 tdisp:4 ftm:4.3f1:1 pr:.9 void:11:.41 gbbs:1 mex:1 mex:1 pth:.75 pt axPIr3.61e-01<PIrth<minPIv7.28e-01

ш # 12199 #vlmex1 response time steps=6.52=(5.20+6.00+7.60+6.20+)/5, (fp+FP)/All=(0+0)/25 Err:none axPIrl.30e-01xPlrthk-minPly5, 30e-01
12200 #vlmex2 response time steps=6.52=(5.20+6.00+7.60+7.60+6.20+)/5, (fp+FP)/All=(0+0)/25 Err:none axPIrl.30e-01xPlrthk-minPly5, 30e-01

#vlmex4 response time steps=4.8=(5.40+4.00+4.60+6.00+4.00+)/5, (fp+FP)/All=(0+0)/25 Err:none axPIr1.27e-01<PIrth<minPIv2.58e-01 12202

#

> echo "print (6+6.52+5.4+5.44+4.8)/5"|gnuplot #5.632 12203 12204

axPIr1.27e-01<PIrth<minPIv2.56e-01

12206 loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:10 pmin:0 beta:4 pth:.98 ith:4 4:0:3:1:2 tdisp:4 fmt:%.3f:1 pNr:.9 void:1:.028 gibbs:1 mex:-1 12207 #vlmex-1 response time steps=5.32=(4.80+4.80+7.00+6.00+4.00+)/5, (fp+Fp)/All=(0+0)/25 Err:none #m print 0.41**(4),0.02825761

ts: #maxP

#maxP #maxP 12208 #vlmex0 response time steps=5.32=(5.60+4.80+5.80+6.40+4.00+)/5, (fp+FP)/All=(0+0)/25 Err:none IRI-0209 #vlmex1 response time steps=6.08=(5.20+4.80+7.60+7.60+5.20+)/5, (fp+FP)/All=(0+0)/25 Err:none 12209 #vlmex1 response time steps=6.08=(5.20+4.80+7.60+7.60+5.20+)/5, (fp+FP)/All=(0+0)/25 Err:none Irl.72e-02<PIrth<minpIv1.00e+20
12208 #v1mex0 response time ste</pre>

[r1.69e-02<PIrth<minPIv2.81e-01

##

```
12246 loo4gibbs-sr fn:../mineishi/text-depdata2.dat ns:5 ntxi:10:10 pmin:0.0 beta:0.5 pth:.46 ith:4 ts:4:0:3:1:2 tdisp:4 fmt:%.3f:1 pNr:.9 void:1:.64 gibbs:1 mex:-1 #pth:.64 for mex4 lz247 #VInex-1 response time steps=5.24=(4.40+4.00+8.20+5.60+4.00+)/5, (fp+Fp)/All=(0+0)/25 Err:none #maxp lz5.28-01<br/>FpTrthraminFV1.000e+20 lz5.28-01<br/>FpTrthraminFV1.00e+20 lz5.28-01<br/>FpTrthraminFV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        12220 loo4gibbs-sr fn:./mineishi/text-indepdata.dat ns:5 ntx::10:10 pmin:0 beta:1 pth:.61 ith:4 ts: 4.0:31:r fabsp:4 fn:*,3f:1 pr::9 void:1:.41 gibbs:1 mex:-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12228 loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntx:5 ntx:10:10 pmin:0 beta:1 pth:.61 ith:4 ts: 0.531:2 tdisp:4 fmt:%.3f:1 pNr:.9 void:1 gibbs:1 max:-1 12229 #Vimex-1 response time steps=5.64=(5.004.60+7.20+6.00+5.40+)/5, (fp+Fp)/All=(0+0)/25 Err:none #max pr3.62e-01-crrth-mineIV-1.00e+20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        12238 loo4gibbs-sr fn:./mineishi/texr-indepdata.dat na:5 ntx:5 ntxi:10:10 pmin:0.0 beta:0.5 pth:.46 ith:4 tes:40:3:112 tdisp:4 fmt:8:3:11 pWt:.9 void:11:0.4 gibbs:1 mexr-1 ##pth:.64 for depdata2 , mex4 12239 #Vlmex-1 response time steps=7.4(6.80+6.20+8.80+7.60+7.50+7.5), (fp+Fp)/Ali=(0+0)/25 Exr:none #maxpI
                                        #maxP
                                                                                                                                                                                                                                                              #maxP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12231 #vlmex1 response time steps=6.84=(6.40+5.80+8.20+7.60+6.20+)/5, (fp+FP)/All=(0+1)/25 Err:IDm2s1t4 #m
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  vl s1t4_2i10 m0:0:0.039 um1:0:0.000 m2:0:0.452 m3:1:0.329 m4:0:0.011 m5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12211 #vlmex3 response time steps=5.44=(4.20+4.80+7.60+5.40+5.20+)/5, (fp+FP)/All=(0+0)/25 Err:none 11.1222 #vlmex4 response time steps=5.44=(4.20+4.80+7.60+5.40+5.20+)/5, (fp+FP)/All=(0+0)/25 Err:none 11.1222 #vlmex4 response time times to the step of the s
                                                                                                                                                                                                                                                                                                                                                                                                                                            12212 #vlmex4 response time steps=4.72=(5.00+4.00+4.60+6.00+4.00+)/5, (fp+FP)/All=(0+0)/25 Err:none
Irl.63e-02<PIrth<pre>cminplv6.58e-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12223 #Vlmex1 response time steps=6.84=(6.40+5.80+8.20+7.60+6.20+)/5, (fp+FP)/All=(0+0)/25 Err:none Plr3.61e-01<PlrthcminPlv7.28e-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12235 #vlmex4 response time steps=5.28=(5.60+4.00+4.60+6.80+5.40+)/5, (fp+FP)/All=(0+0)/25 Err:none PIX3.57e-01-PIX1.thminpIx5.06e-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #vlmex2 response time steps=7.24=(7.40+6.00+9.00+6.40+7.40+)/5, (fp+FP)/All=(0+0)/25 Err:none
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12344 #Vlmex4 response time steps=6.52=(5.80+5.20+6.20+7.20+8.20+)/5, (fp+FP)/All=(0+0)/25 Err:none r5.98e-01<br/>
F5.98e-01<br/>
CPT-01<br/>
F1.20+8.20+)/5, (fp+FP)/All=(0+0)/25 Err:none r5.98e-01<br/>
F2.98e-01<br/>
F3.98e-01<br/>
F3.98e-01<br/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12250 #vlmex2 response time steps=5.92=(5.60+4.00+8.40+6.40+5.20+)/5, (fp+FP)/All=(0+0)/25 Err:none lize34-0_LerrichmintProf 2/2e-0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #vlmex2 response time steps=6.24=(6.20+5.80+8.20+6.00+5.00+)/5, (fp+FP)/All=(0+0)/25 Err:none
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      \verb| #vlmex3 response time steps=5.36=(5.60+4.00+6.60+5.40+5.20+)/5, (fp+FP)/All=(0+0)/25 Err:none (for the first order) (for the fi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12352 #vlmex4 response time steps=5.44=(5.20+5.20+5.40+6.20+5.20+)/5, (fp+FP)/All=(0+0)/25 Err:none Ir3.92e-01<PIrthcminPIv9.01e-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12224 #vlmex2 response time steps=6.24=(6.20+5.80+8.20+6.00+5.00+)/5, (fp+FP)/All=(0+0)/25 Err:none
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12222 #vimex0 response time steps=6.4=(6.20+5.80+7.00+8.80+4.20+)/5, (fp+Fp)/All=(0+0)/25 Err:none PIr3.72e-01PIr3.72e-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12225 #vlmex3 response time steps=5.8=(5.40+5.80+7.20+5.40+5.20+)/5, (fp+FP)/All=(0+0)/25 Err:none
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #vlmex0 response time steps=6.4=(6.20+5.80+7.00+8.80+4.20+)/5, (fp+FP)/All=(0+0)/25 Err:none
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #vlmex3 response time steps=5.8=(5.40+5.80+7.20+5.40+5.20+)/5, (fp+Fp)/All=(0+0)/25 Err:none
12210 #vlmex2 response time steps=5.52=(5.0044.80+7.60+6.2044.00+)/5, (fp+FP)/All=(0+0)/25 Ir6.52e-03<PIrthcminPly4.41e-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ########## Version2 OK for ICONIP2012 with Pirth and usevoid:1
(1) Pirth は Pisecondmax/Thmax (version2.Version3で利用) with void
Hebera:1.070 商縣 Better Use this?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       echo "print (5.53+6.08+5.52+5.44+4.72)/5"|gnuplot #5.458
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       axPIr3.61e-01<PIrth<minPIv7.28e-0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PIr3.62e-01<PIrth<minPIv1.00e+20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PIr2.84e-01<PIrth<minPIv4.58e-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PIr3.57e-01<PIrth<minPIv5.08e-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PIr3.72e-01<PIrth<minPIv6.06e-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PIr2.84e-01<PIrth<minPIv4.58e-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ir5.24e-01<PIrth<minPIv9.09e-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ir5.24e-01<PIrth<minPIv8.74e-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             r6.0le-01<PIrth<minPIv8.53e-01
12242 #vlmex2 response time s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   r5.33e-01<PIrth<minPIv6.77e-01
12243 #vlmex3 response time s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         r5.98e-01<PIrth<minPIv7.13e-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2012.06.15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #beta:0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0:0.168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12213
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12236
```

readmecan2mspeech.txt Dec 05 2019 13:52:41 response time steps=6.92=(6.40+5.80+8.00+8.80+5.60+)/5, (fp+FP)/All=(0+0)/25 Err:none

.02e-01<PIrth<minPIv1.00e+20

12280 loo4gibbs-sr fn.../mineishi/text-indepdata.dat ns:5 ntx1:10:20 pwin:0.0 beta:2 pth:.85 ith:4 t 4.460:3:12.24 t 4.460:3:12.24 t 4.400:3:12.14 pkr:.9 void:1:.18 gibbs:1 mex:-1 start #vimex-1 response time steps=5.76=(4.80+4.80+7.00+8.20+)/5, (fp+fp)/All=(0+0)/25 Err:none #m axpiri.31e-01prirtheminply:00e+20 m# ## ## m# 12264 loo4glbbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:20 pmin:0.0 beta:0.5 pth:.42 ith:4 ts:4:0:11.2 till:2 ts:4:0:11.2 till:2 ts:4:0:12 t m# **#** # ## ## ## ## m# ## ## m# m# ## ## m# ## 12296 loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:20 pmin:0.0 pth:.99 ith:4 ts:4:0:3 m# 12298 #vlmex0 response time steps=7.68=(7.80+6.20+9.60+8.20+6.60+)/5, (fp+FP)/All=(0+0)/25 Err:none #m *ARIR2.51e-09<PIRTH/minPIV4.53e-05
12299 #vlmex1 response time steps=8.16=(7.80+7.40+8.20+8.20+9.20+)/5, (fp+FP)/All=(1+0)/25 Err:LDm2s1L4 #m axPIR1.39e-09<PIRTH/minPIV4.75e-03 #ma #ma 100 12288 #gibbs:0での結果 12289 loodgibbs-sr fn:./mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:10 pmin:0.0 pth:.999 ith:4 ts:4:0: 3:11.2 tdisp:3 fmt:8:8filphr:9 void:1:1e-4 gibbs:0 mex:1 12290 #Vlmex-1 response time steps=7.16=(7.20+6.00+8.80+7.20+6.60+)/5, (fp+Fp)/All=(0+0)/25 Exr:none #m #ma loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:10 pmin:0 beta:2 pth:.85 ith:4 4:0:3:1:2 tdisp:4 fmt.%.3f:1 PNr:.9 void:1:.18 glbbs:1 mex:-1 12273 #vlmex-1 response time steps=5.36=(4.80+4.80+7.00+6.00+4.20+)/5, (fp+FP)/All=(0+0)/25 Err:none :1:2 tdisp:3 fmt:%.8f:1 PNr:.9 void:1:1e-8 gibbs:0 mex:4
12297 #vlmex-1 response time steps=7.36=(7.20+6.00+9.80+7.20+6.60+)/5, (fp+FP)/All=(0+0)/25 Err:none 12268 #vlmex2 response time steps=8.52=(8.40+7.80+10.20+8.00+8.20+)/5, (fp+Fp)/All=(0+0)/25 Err:none xPIr5.33e-01kPirthchminPiv6.77e-01 12269 #Vlama2x response time steps=8.12e(7.60+7.80+9.60+7.40+8.20+)/5, (fp+FP)/All=(0+0)/25 Exr:none xPIr5.98e-01kPirthchminPiv7.13e-01 12270 #Vlamax4 response time steps=7.16e(7.60+4.00+8.80+7.40+)/5, (fp+FP)/All=(0+0)/25 Exr:none xPIr5.98e-01kPirthchminPiv7.12e-01 12271 #beca:2700 #R much faster 12291 #vlmex0 response time steps=7.48=(7.80+6.20+8.60+8.20+6.60+)/5, (fp+FP)/All=(0+0)/25 Err:none axPirs.01e-05<Pirth<pre>carpixs.01e-05<Pirth</pre>carpixs.01e-05<Pirth<pre>carpixs.01e-05<Pirth</pre>carpixs.01e-05<Pirth</pre>carpixs.01e-05<Pirth</pre>carpixs.01e-05<Pirth</pre>carpixs.02e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</pre>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth</p>carpixs.03e-05<Pirth< 12277 #Vimex3 response time steps=5.44=(4.20+4.80+7.60+5.40+5.20+)/5, (fp+FP)/All=(0+0)/25 Err:none axpIrl.270=01xpIrthcminpIv2.58e-01
12278 #vlmex4 response time steps=4.8=(5.40+4.00+4.60+6.00+4.00+)/5, (fp+FP)/All=(0+0)/25 Err:none 12276 #vlmex2 response time steps=5.64=(5.00+6.00+7.00+6.20+4.00+)/5, (fp+FP)/All=(0+0)/25 Err:none axPIr8.07e-02<PIrth<minply2.10e-01 12294 #vlmex3 response time steps=7.32=(7.20+7.20+8.80+6.40+7.00+)/5, (fp+FP)/All=(0+0)/25 Err:none axpIr3.37e-05<PIrthcminpIv1.14e-03 12260 #vlmex4 response time steps=5.56=(5.60+4.00+6.00+6.80+5.40+)/5, (fp+FP)/All=(0+0)/25 Err:none axPIT5.98e-01<PIrthaminpIv7.12e-01 -->0.64 (fp+FP)/All=(0+0)/25 Err:none #vlmex1 response time steps=6.52=(5.20+6.00+7.60+7.60+7.50+6.20+)/5, (fp+FP)/All=(0+0)/25 Err:none 12286 #vlmex4 response time steps=5.2=(5.40+4.00+4.60+8.00+4.00+)/5, (fp+FP)/All=(0+0)/25 Err:none axPIrl.27e-01<PIrth<minPlv2.56e-01 12274 #vlmex0 response time steps=6=(6.20+4.60+7.00+8.20+4.00+)/5, (fp+Fp)/All=(0+0)/25 Exr:none axPIrl.38e-01cprintly 12295 #vlmex4 response time steps=6.32=(5.80+5.20+6.20+7.60+6.80+)/5, #vlmex3 response time steps=6.12=(5.60+5.80+7.60+5.40+6.20+)/5,tdisp:4 fmt:%.3f:1 PNr:.9 void:1:.18 gibbs:1 axpirl.27e-01
Pirth
cminpiv2.56e-01
12279 #beta:2, ntxi:10:20 での結果 axPIr1.31e-01<PIrth<minPIv1.00e+20 axPIr3.43e-06<PIrth<minPIv4.10e-04 axPIr1.48e-09<PIrth<minPIv1.00e+20 axPIr5.98e-01<PIrth<minPIv7.13e-01 axPIr1.30e-01<PIrth<minPIv5.30e-01 axPIrl.27e-01<PIrth<minPIv2.58e-01 axPIr6.10e-01<PIrth<minPIv7.79e-01 xPIr6.02e-01<PIrth<minplv1.00e+20 12266 #vlmex0 response time atom xPIr6.01e-01<PIrth<minPIv8.53e-01 #ntxi:10:20での結果 12267 12275 12287

steps=8.44=(7.00+7.00+12.80+9.00+6.40+)/5, (fp+FP)/All=(0+0)/25

12318 #NG with beta=1#loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:10 pmin:0.0 beta:1 pth:8 ith:4 ts:4:0:3:1:2 tdisp:3 fmu:%.3f:1 pNr:.9 void:0:.45 gibbs:1 mex:-1 #NG maxPIT3.74-minFv3.69 12319 #Vomex-1 response time steps=6.32=(5.40+4.40+7.80+6.40+7.60+7.60+7)/5, (fp+Fp)/All=(0+0)/25 Err:none #m axPIT3.460=01cPIT4thcminPlv1.00e+20 12325 #NG#loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntx:5 ntx::10:10 pmin:0.0 beta:.1 pth:.31 it h:4 ts:4:0:3:1.2 tdisp:3 fmt.%:15! pwr:.9 void:0:0.33 gibbs:1 mex:1 #NG maxPir9.06 minPiv9.05 at 13226 #VOMex-1 response time steps=10=(10.00+10.00+10.00+10.00+)/5, (fp+Fp)/All=(0+0)/25 Err:none #m axPir8.99e-01cPirthcminPirV.00e+20 ## ## # # Err: IDm5s1t3 #m ## u# **#**# ## ## m# ## m# ## **#**# m# # #maxP 12310 #NG#loo4gibbs-sr fn:./mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:10 pmin:0.0 beta:0.5 pth:.54 th:4 ts:4:0:31:2 tdiap:3 fmt:8.3f:1 PNr:.9 void:0:6 gibbs:1 mex:4 #maxPir6.12 > inPiv6.07 12311 #V0mex-1 response time steps=6.84=(5.60+4.60+8.80+7.60+7.60+7).5, (fp+Fp)/All=(0+0)/25 Err:none #axPir5.88=01exPirth:minFir1.00e+20 12308 #vOmexO response time steps=5.76=(5.60+5.20+5.20+7.60+5.20+)/5, (fp+Fp)/All=(0+1)/25 Err:IDmls0t0 axPIr3.22e-01<PIrth<minplv1.89e-01 12322 #YODMEX2 response time steps=6.44=(6.20+5.60+7.80+6.40+6.20+)/5, (fp+FP)/All=(0+1)/25 Err:IDmls2t2 axPIrz.89e-01<PIrth<minply3.76e-01 $\#v0\text{mex3 response time steps} = 6.32 = (5.60 + 5.60 + 7.20 + 5.60 + 7.60 +)/5, \ (fp+Fp)/All = (0+1)/25 \ Exr: IDm2s3t4$ $\#vomex2\ response\ time\ stepps=6.76=(6.80+5.80+8.80+6.00+6.40+)/5,\ (fp+Pp)/All=(0+1)/25\ Exr: IDmls2t2$ #v0mex3 response time steps=6.16=(5.60+5.80+7.80+5.40+6.20+)/5, (fp+Fp)/All=(0+1)/25 Err:IDm2s3t4 12338 #vOmex0 response time steps=8.28=(7.80+6.40+8.80+10.00+8.40+).5, (fp+Fp)/All=(0+0)/25 Err:none Irl:08e-05Frit:08e-05Frit:08e-05Frit:08e-05Frit:08e-05Frit:08e-05Frit:08e-05Frit:08e-05Frit:08e-05Frit:08e-05Frit:08e-05Frit:08e-05Frit:08e-05Frit:09e-05Frit:09e-06 12315 #YOMex3 response time steps=5.52=(5.40+5.60+6.00+5.40+5.20+)/5, (fp+FP)/All=(0+0)/25 Err:none axPIr5.27e-01<PIrth<pre>Arrinply6.07e-01 12340 #v0mex2 response time steps=8.92=(9.40+8.60+9.80+9.20+7.60+)/5, (fp+FP)/All=(0+0)/25 Err:none Irz.15e-06<PIrth<minplv1.74e-04 Err: none 12314 #v0mex2 response time steps=6.36=(6.00+5.60+7.80+6.20+6.20+)/5, (fp+FP)/All=(0+0)/25 Err:none axPlr5.37e-014Plrthcminply6.13e-01 12328 #v0mex1 response time steps=7.08=(6.80+5.80+8.80+7.60+6.40+)/5, (fp+FP)/All=(0+0)/25 Err:none axpIr8.99e-01<PIrth<pre>cminply9.63e-01 12331 #YOMex4 response time steps=7.56=(6.20+5.20+8.80+8.80+8.80+)/5, (fp+FP)/All=(0+0)/25 Err:none axplr8.99e-01cPlrthcminPlv9.33e-01 12342 #v0mex4 response time steps=8.72=(8.40+7.20+8.80+9.60+9.60+)/5, (fp+FP)/All=(0+0)/25 Err:none #v0mex1 response time steps=6.6=(6.20+5.60+6.00+7.60+7.60+)/5, (fp+FP)/A11=(0+0)/25 Err:none 12316 #v0mex4 response time steps=7=(5.80+5.20+7.80+7.60+8.60+)/5, (fp+FP)/All=(0+0)/25 Err:none axPlr5.88e-01cPlrthcminplv7.07e-01 #v0mex0 response time steps=7=(6.20+5.40+7.00+8.80+7.60+)/5, (fp+FP)/All=(0+0)/25 Err:none 12312 #YOMexO response time steps=6.96=(6.20+5.40+7.00+8.80+7.40+)/5, (fp+FP)/All=(0+1)/25 axPIr6.12e-01<PIrth< 12341 #v0mex3 response time steps=8.32=(8.40+7.80+8.80+8.60+8.00+)/5, (fp+FP)/All=(0+0)/25 Ir2.73e-06<PIrth<minplv9.45e-05 12502 #Vimex4 response time steps=6.32=(5.80+5.20+6.20+7.60+6.80+)/5, (fp+Fp)/All=(0+0)/25 axPIr1.13e-09prrth #v0mex1 response time steps=6.32=(6.20+5.60+6.00+7.60+6.20+)/5, (fp+FP)/All=(0+0)/25 (1) Pirth は Pisecondmax/Pimax (Version2, Version3で利用) without void axPIr1.13e-09<PIrth<minPIv1.30e-06 axPIr3.46e-01<PIrth<minPIv6.85e-01 12329 #v0mex2 response time step: axPIr8.83e-01<PIrth<minPIv9.07e-01 axPIr1.18e-11<PIrth<minPIv1.68e-07 axPIr5.88e-01<PIrth<minPIv8.28e-01 axPIr3.74e-01<PIrth<minPIv6.06e-01 axPIr2.78e-01<PIrth<minPIv3.69e-01 axPIr8.80e-01<PIrth<minPIv9.05e-01 axPIr9.06e-01<PIrth<minPIv9.51e-01 Ir3.22e-01<PIrth<minpIv1.00e+20 12308 #v0mex0 response time ste Ir4.35e-06<PIrth<minpIv1.00e+20
12338 #v0mex0 response time st</pre> Ir4.35e-06<PIrth<minPIv2.81e-03 Ir4.35e-06<PIrth<minPIv9.84e-04 2012.06.13 (2)あたらしいvoid:0 12309 12323 12303 12330 12343 12320 12321 12327

readmecan2mspeech.txt Dec 05 2019 13:52:41

time steps=10=(10.00+10.00+10.00+10.00+10.00+)/5, (fp+FP)/All=(0+0)/25 #maxPIr2.73e-06<PIrth<minPIv9.45e-05 #maxPIr2.15e-06<PIrth<minPIv1.74e-04

#v0mex4 response time steps=10=(10.00+10.00+10.00+10.00+10.00+)/5, (fp+FP)/All=(0+0)/25 Err:none

#maxPIr4.35e-06<PIrth<minPIv9.84e-04

щ#

Err:none

pmin:0.0 beta:1.0 pth:.83

12353 #VOMEAL TESPOISE time steps=7=(7.60+5.60+8.40+6.40+7.00+)/5, (fp+PP)/All=(1+0)/25 Err:IDm4slt3 #maxP Ir2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2.91e-01
PIR2 #maxP II23.91e-01.cPITth.cminPIV1.00e+20 12352 #vOmex0 response time steps=7.44=(7.60+5.60+7.60+8.80+7.60+)/5, (fp+FP)/All=(0+0)/25 Err:none Ir3.36e-01<PIrth<minPIv5.56e-01

12356 #vOmex4 response time steps=7.16=(6.00+5.20+8.60+7.60+8.40+)/5, (fp+Fp)/All=(0+0)/25 Err:IDm2s3t3 #m r2.91e-01<Pre>PIrth<minplv5.00e-01</pre>

12358 f=../mineishi/text-indepdata.dat;loo4gibbs-sr fn:\$f ns:5 ntxi:5 ntxi:10:10 pmin:0.0 beta:1.0 pth:.83
1th:10 ts:4:0:3:1:2 tdisp:3 fmt:%.3f:1 pNr:.8:.9:.8:.5:.8 void:0:.60 gibbs:1 mex:-1
12359 #Vomex-1 response time steps=10=(10.00+10.00+10.00+10.00+)/5, (fp+Fp)/All=(0+0)/25 Err:none #m
axPrz2.21e-01

Place of the property o Err:IDm4s1t3 12362 #vOmex2 response time steps=10=(10.00+10.00+10.00+10.00+10.00+)/5, (fp+FP)/All=(0+2)/25 #maxPIr2.71e-01<PIrth<minPIv4.21e-0 IDm3s2t3

#VOMex3 response time steps=10=(10.00+10.00+10.00+10.00+10.00+1)/5, (fp+FP)/All=(0+3)/25 Err:IDmls3t2 t.3 IDmls3t4 #rvOmex4 response time steps=10=(10.00+10.00+10.00+10.00+10.00+1)/5, (fp+FP)/All=(0+1)/25 Err:IDm084t1 #vOmex4 response time steps=10=(10.00+10.00+10.00+10.00+10.00+1)/5, (fp+FP)/All=(0+1)/25 Err:IDm084t1 #maxPIrs.9le-01.epirtheminPirs.00=01.00+10.00+ IDM2s3t3 12364 #v 12363 12365

ith:4 ts:4:0:3:1:2 tdisp:3 fmt:% 3f:1 PNr:.8:.9:.8:.5: 8 void:0:.60 gibbs:1 mex:-1
12367 #Volmex-1 response time steps=9.76=(10.00+10.00+10.00+10.00+80+)/5, (fp+FP)/All=(0+0)/25 Err:none #
maxPlrs.39e-01cPlrthchinPyul.00e+20
12368 #Volmex0 response time steps=8.8=(8.80+7.60+10.00+10.00+7.60+)/5, (fp+FP)/All=(0+0)/25 Err:none # f=../mineishi/text-indepdata.dat/loo4gibbs-sr fn:\$f ns:5 ntx:5 ntxi:10:10 pmin:0.0 beta:0.5 pth:.83 12372 #r0mex4 response time steps=9.52=(8.80+8.80+10.00+10.00+10.00+)/5, (fp+FP)/All=(0+0)/25 Err:none maxPir5.39e-01<PIRTHAMINDIV7.07e-01 12369 #v0mex1 response time steps=9.28=(8.80+10.00+10.00+8.80+8.80+)/5, (fp+FP)/All=(0+0)/25 Err:none 12370 #vOmex2 response time steps=9.28=(10.00+8.80+10.00+10.00+7.60+)/5, (fp+FP)/All=(0+0)/25 E maxPir5.2le-0l-0rththminpTv6.49e-0l 1237l #vOmex3 response time attack. maxPIr5.80e-01<PIrth<minPIv7.46e-01

################# 12373

12374 (1) 8/2 C. V. Vooidin apropreate PNr (1) 8/2 C. V. Vooidin apropreade PNR (1) 8 ### PII/PIO 12383

pmin:0.0 beta:0.5 pth:.51 ma ma 12384 f=../mineishi/text-indepdata.dat;loo4gibbs-sr fn:\$f ns:5 ntx:5 ntxi:10:10 pmi ith:100 ts:4:0:3:1:2 tdisp:3 fmt:%.3f:1 PNr:.8:.9:.8:.5:.8 void:0:.60 gibbs:1 mex:-1 is possible 12385 #v0me xPIr=54t4 12386 #v0

ma ma ma ma 12390 #v0mex4 response time steps=10=(10.00+10.00+10.00+10.00+10.00+)/5, (fp+FP)/All=(0+0)/25 Err:none xPIr=53t2 minpIv=71t2 #v0mex1 response time steps=10=(10.00+10.00+10.00+10.00+10.00+1)/5, (fp+FP)/All=(0+0)/25 xPIr=52t2 minPIv=65t2 12389 #v0mex3 resnor xPIr=58t4 minPIv=75t2 xPIr=54t4 minPIv=75t3 12388 #v0mex2 respor xPIr=53t2 minPIv=63t4 12387

##Womex1 response time steps=5.88=(6.004,40+8.60+4.20+6.20+)/5, (fp+FP)/All=(0+0)/25 Err:none #Vomex0 response time steps=6.04=(6.00+5.40+6.60+5.80+6.40+)/5, (fp+FP)/All=(0+0)/25 Err:none #Vomex1 response time steps=5.4=(6.00+5.60+6.80+4.00+4.60+)/5, (fp+FP)/All=(2+0)/25 Err:IDm4slt3 12391

m#

12345 #v0mex1 response time steps=10=(10.00+10.00+10.00+10.00+10.00+)/5, (fp+FP)/All=(0+0)/25 Err:none #maxPir4.35e-06<PirthcminPIv2.81e-03 12346 #v0mex2 response time steps=10=(10.00+10.00+10.00+10.00+10.00+)/5, (fp+FP)/All=(0+0)/25 Err:none

axPIr4.35e-06<PIrth<minPIv1.00e+20

IDm

#v0mex2 response time steps=5.6=(6.00+5.60+7.20+4.00+5.20+)/5, (fp+FP)/All=(1+0)/25 Err:IDm3S2t3

12399 f=../mineishi/text-indepdata.dat;loo4gibbs-sr fn:\$f ns:5 ntx:5 ntxi:10:20 pmin:0.0 beta:0.5 pth:.51 ith:100 ts:4:0:3:1:2 tdisp:3 fmt:%.3f:1 PNr:.8:.9:.8:.5:.8 void:0:.58 gibbs:1 mex:-1 #void:0:.58-void:0:.62 ma ma ma ma Err:none ma ma ma ma ma 12425 #v0mex0 response time steps=20=(20.00+20.00+20.00+20.00+)/5, (fp+FP)/All=(0+1)/25 Exr:IDm5slt3 maxPIr=61t3 minPIv=76t1 decrease PIrt3 12426 #v0mex1 response time steps=20=(20.00+20.00+20.00+20.00+)/5, (fp+FP)/All=(0+0)/25 Exr:none #v0mex-1 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, (fp+FP)/All=(0+0)/25 Err:none ma #v0mex4 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, (fp+Fp)/All=(0+1)/25 Erx:IDm0s4t1 #v0mex0 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, (fp+FP)/All=(0+1)/25 Erx:IDm5slt3 $\#vomex3 \ response \ time \ steps=5=(5.20+5.40+6.40+4.00+4.00+)/5$, $(fp+FP)/All=(2+0)/25 \ Exr:IDm2s3t3 \ IDm2s$ 12418 f.../mineishi/text-indepdata.datiloo4gibbs-sr fn:\$f ns:5 ncx:5 ncxi:10:20 pmin:0.0 beta:0.5 pth:.51 lith:100 test4:0:31:12 tdisps: ffmt*8.721 pNr:.371 pNr:.38:8:8:8 void:0:0.00 gibbs:1 mex:1 mex:1 12419 #V0mex-1 response time steps=20=(20:00+20:00+20:00+20:00+3)/5; (fpr#p)/All=(0+0)/25 Err:none #v0mex0 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, (fp+FP)/All=(0+1)/25 Err:IDm5slt3f=../mineishi/text-indepdata.dat/loo4gibbs-sr fn:\$f ns:5 ntx:5 ntxi:10:20 pmin:0.0 beta:0.5 pth:.51 #ref:10:12 ddipp://dfile.nt.in.print.i maxPIr=59t3 minpIv=71t2
12430 ### PII/PI0
12431 #= PII/PI0
12431 #= FII/PI0
12431 #= -/ mineishi/text-indepdata.dat/loo4gibbs-sr fn:\$f ns:5 ntx:5 ntx:10:20 pmin:0.0 beta:0.5 pth:.51
12431 #= -/ mineishi/text-indepdata.dat/loo4gibbs-sr fn:\$f ns:5 ntx:5 ntx:5 ntx:1.0 ts:4:0:3:1.2 tdisp:3 fmt:\$.3f:1 pRr: 8:.9:.9:.9:.8:.8 void:0:.60 gibbs:1 mex:-1
12432 #v0mex-1 response time steps=20=(20.00+20.00+20.00+20.00+)/5, (fp+FP)/All=(0+0)/25 Err:none 12405 #V0Mex4 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, (fp+FP)/All=(0+0)/25 Err:none xplr=54t4 minPlv=71t.1 12412 #Y0Wexl response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, (fp+FP)/All=(0+0)/25 Err:none xplr=54t4 minply=74t1 #v0mex0 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, (fp+FP)/All=(0+0)/25 Err:none (fp+FP)/All=(0+0)/25 Err:none (fp+FP)/All=(0+0)/25 Err:none (fp+FP)/All=(0+0)/25 Err:none #v0mex2 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, (fp+FP)/All=(0+0)/25 Err:none (fp+FP)/All=(0+0)/25 Err:none #vomex4 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, (fp+FP)/All=(0+0)/25 Brr:none(fp+FP)/All=(0+0)/25 Err:none (fp+FP)/All=(0+0)/25 Err:none (fp+FP)/All=(0+0)/25 Err:none #v0mex4 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, (fp+FP)/All=(0+0)/25 Err:none 12414 #v0mex3 response time steps=20=(20.00+20.00+20.00+20.00+)/5, xPIr=53t3 minDIV=63t4 resonant - 'maxPIr=50t3 minPIv=61t1 12428 # #VUMex3 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, maxPIr=53L2 minPIv=63L 12429 #vOmex4 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, 12436 #v0mex3 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, maxPIr=53t2 minPIv=63t4 #v0mex2 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, #v0mex3 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, #v0mex2 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, maxPIr=61t3 minPIv=76t1 12434 #v0mex1 response maxPIr=50t3 minPIv=61t1 12436 #v0mex3 response maxFIr=54t4 minPIv=58t2 maxPIr=59t3 minPIv=87t1 maxPIr=59t3 minPIv=87t1 xPIr=54t4 minPIv=75t3 12403 #v0mex2 respon xPIr=53t2 minPIv=63t4 xPIr=52t2 minPIv=65t2 xPIr=58t4 minPIv=75t3 ### PI1/PI0 xPIr=58t4 minPIv=76 ### PI1/PI0 ### PI1/PI0 ### PII/PIO maxPIr=59t3 12433 #v0me is possible 12400 #v0me maxPIr=61t3 12421 maxPIr=59t3 maxPIr=59t3 xPIr=54t4 xPIr=53t3 12422 # 12423 f 1th:100 t 3t4 12396 12408 12411 12416 12402 12404 12437 12420 12401 12427

Dec 05 2019 13:52:41 readmecan2mspeech.txt

Page 198

ma 12451 #VOmex1 response time steps=20=(20.00+20.00+20.00+20.00+),5, (fp+FP)/All=(0+0)/25 Brr:none maxPIT=6944 MinProWil4 maxPIT=6944 MinProWil4 maxPIT=6944 MinProWil4 maxPIT=6944 MinProWil4 maxPIT=6944 MinProWil4 maxPIT=6944 MinProWil4 maxPIT=6940 MinProWil4 maxPIT=694 MinProWil4 maxPIT=694 MinProWil4 maxPIT=694 MinProWil4 maxPIT=6940 MinProWi 12470 #v0mex1 response time steps=20=(20.00+20.00+20.00+20.00+1)/5, (fp+FP)/All=(0+0)/25 Err:none maxPIr=60t4 minPIr+74t2

12471 #v0mex2 response time steps=20=(20.00+20.00+20.00+20.00+1)/5, (fp+FP)/All=(0+1)/25 Err:IDmls2t2 maxPIr=54t3 minPIr+65t2

12472 #v0mex3 response time steps=20=(20.00+20.00+20.00+20.00+1)/5, (fp+FP)/All=(0+0)/25 Err:none #v0mex2 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, (fp+FP)/All=(0+1)/25 Err:IDmls2t2 Err: IDm2s3t4 time steps=20=(20.00+20.00+20.00+20.00+20.00+1)/5, (fp+FP)/all=(0+1)/25 Err:IDmls2t2 Err:IDm0s4t1 12448 f=...mineishi/text-indepdata.dat;loo4gibbs-sr fn:\$f ns:5 ntx:5 ntxi:10:20 pmin:0.0 beta:0.5 pth:.51 lth:100 ts:4:0:3:1:2 tdisp:3 fmt:%.3f:1 PNr:.8:.9:.9:.9:.8:1. void:0:.70 gibbs:1 mex:.1 12449 #v0mex-1 response time steps=20=(20.00+20.00+20.00+20.00+2)/5, (fp+FP)/All=(0+0)/25 Err:none 12466 ### PII/PIO 12467 f=../mineishi/text-indepdata.dat/loo4gibbs-sr fn:\$f ns:5 ntx:5 ntxi:10:20 pmin:0.0 beta:0.5 pth:.51 124610 ts:4:00:3:1:2 tdisp:3 fnt:\0.3f:1 PNr:.8:.8:.8:.9:1. void:0:.70 gibbs:1 mex:-1 12468 #v0mex-1 response time steps=20=(20.00+20.00+20.00+20.00+)/5, (fp+FP)/All=(0+0)/25 Err:none maxPlr=69t4 f=../mineishi/text-indepdata.dat;loo4gibbs-sr fn:\$f ns:5 ntxi:10:20 pmin:0.0 beta:0.5 pth:51 ts:4:03:11:2 tdisp:3 fmt:\$.3f:1 pNr: 8:.9:9:9:1, void:0:.70 gibbs:1 mex:-1 ts:4:03:11:2 tdisp:3 fmt:\$.3f:1 pNr: 8:.9:9:9:1, void:0:.70 gibbs:1 mex:-1 ts:4:03:12 tdisp:3 fmt:\$.3f:1 pNr: 8:.8:8:8:8:8 ts:4:03:12:10:20 pmin:0.0 beta:0.5 pth:51 ts:4:03:11:2 tdisp:3 fmt:\$.3f:1 pNr: 8:.8:8:8:8:8:9 void:0:.70 gibbs:1 mex:-1 #v0mex-1 response time steps=20=(20.00+20.00+20.00+20.00+20.00+7)/5, (fp+Fp)/All=(0+0)/25 Err:none Err:none Err:none Err:none Err:none maxPIr=69t4 12459 #vOmex0 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, (fp+FP)/All=(0+1)/25 maxPlr=50t3cmaxPlr=50t3cminpIv61t2 xx-->increase
12462 # V00max3 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, (fp+Fp)/All=(0+0)/25
maxPlr=65t4cminPlv=71t2
12463 #V0mex4 response time steps=20=(20.00+20.00+20.00+20.00+)/5, (fp+Fp)/All=(0+0)/25
maxPlr=65t4cminPlv=71t2
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12464
12 12444 #vOmex3 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, (fp+FP)/All=(0+1)/25 maxPIr=53t2 minPIv=63t4 12473 #v0mex4 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, (fp+FP)/All=(0+1)/25 maxPlx=69t4 minply=58t1 minPIv=65t3 maxPIr=50t2t3 xx 12482 #V0max3 response time steps=20=(20.00+20.00+20.00+20.00+)/5, (fp+FP)/All=(0+0)/25 minPIv=76t2 maxPIr=65t4 steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, (fp+FP)/All=(0+0)/25 time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, (fp+FP)/All=(0+0)/25 maxPIr=74t4cminDIV76t1 xx 12460 #v0mex1 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, (fp+FP)/All=(0+0)/25 $\#v0mex1\ response\ time\ steps=20=(20.00+20.00+20.00+20.00+20.00+)/5\,,\ (fp+FP)/All=(0+0)/25$ minPIv=75t3 maxPIr=75t4 xx 12480 #v0mex1 response tir maxFIr=49t2 minFIv61t2 xx 12453 #v0mex3 response ti maxPIr=74t4 minPIv76t1 xx maxPIr=69t4<minpIv81t4 minPIv=74t2 maxPIr=69t4 maxPIr=65t4 minPIv=76t2 #v0mex2 response maxPIr=69t4 maxPIr=50t3 minPIv=61t3 maxPIr=74t4 minPIv=75t3 maxPIr=65t4 minPIv71t2 12454 #v0mex4 respons maxPIr=69t4 minPIv71t1 axPIr=59t3 minPIv=71t2 ### PI1/PI0 12475 12476 ith:100 12477 12450 ith:100 12469 12479 12478 12481

f=../mineishi/text-indepdata.dat;loo4gibbs-sr fn:8f ns:5 ntx:5 ntxi:10:20 pmin:0.0 beta:0.5 pth:.51
ts:4:0:3:1:2 tdisp:3 fmt:%.3f:1 PNr:.8:.8:.9; void:0:.47 gibbs:1 mex:-1
#v0mex-1 response time steps=20=(20.00+20.00+20.00+20.00+2).5, (fp+FP)/All=(0+0)/25 Err:none
maxPIr=46t3

Err:IDm0s4t1

minPIv=58t2 maxPIr=69t4

12483

12486 ith:100 12487

12439 f = ./wineishi/cext-indepdata.dat;loo4gibbs-sr fn:\$f ns:5 ntx:5 ntxi:10:20 pmin:0.0 beta:0.5 pth:.51 ith:100 ts;40:3:1.2 tdisp:3 fm:\$.51 intx:11 lbr:.8 p.:9:19:18:18 void:0:.70 gibbs:1 mex:1 112440 #V0mex-1 response time steps=20e(20.00+20.

maxPIr=59t3 minPIv=71t2

PI1/PI0

xPIr=59t3 12441 #v0mex0 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, (fp+FP)/All=(0+0)/25 Err:none

1227 #NGF=../mineishi/text-indepdata.dar;loo4gibbs-er fn:\$f ns:5 nxx;5 nxxi:10:10 pmin:0.0 beta:.1 pth:..2 filth 4:s+40:3:1:2 tdisp:3 fm:4:,3f.1 pxr:.Bxr:8:18:18:18:18:0 void:1 glabbs:1 max:4 terpp:)/All=(0+0)/25 Exr:non 12528 #NG#Vimex-1 response time steps=9.78=(10.00+8.00+10.00+10.00+10.00+1)/5, (fp:pp)/All=(0+0)/25 Exr:non 12516 #vomex2 response time steps=20=(20.00+20.00+20.00+20.00+)/5, (fp+Fp)/All=(0+3)/25 Err:IDm0s2tl IDm1s2t2 IDm1s2t3 miniPr=-41
12517 #vomex3 response time steps=20=(20.00+20.00+20.00+20.00+)/5, (fp+Fp)/All=(0+2)/25 Err:IDm2s3t3 IDm2s3t4 womex3 response time steps=20=(20.00+20.00+20.00+20.00+)/5, (fp+Fp)/All=(0+2)/25 Err:IDm2s3t3 IDm2s3t4 womex4 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, (fp+Fp)/All=(0+1)/25 Err:IDm0s4t1 ID518 #vomex4 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, (fp+Fp)/All=(0+1)/25 Err:IDm0s4t1 minpfv=-41 maxPir=-57 12520 f=../mineishi/text-indepdata.dat;loo4gibbs-sr fn:\$f ns:5 ntxi:5 ntxi:10:20 pmin:0.0 beta:1.0 pth:.78
ith:100 ts:4:013:12 tdisp:3 fmt:\$.3fnt:\$.31.8 nr:8:8:8:8:99 void:01:.55 gibbs:1 mex:-1
12521 #vomexe response time steps=20=(20.00+20.00+20.00+20.00+), (fp+FP)/All=(0+1)/25 Err:IDm5s2t4
minPI=.56mex0, maxPI=0.56reg
12522 #vomex2 response time steps=30=(30.00+30.00+30.00+30.00+)/5, (fp+FP)/All=(0+2)/25 Err:IDm0s2t1 Err:IDm1s2t2 (fp+FP)/All=(0+1)/25 Err:IDm2s1t4 (fp+FP)/All=(0+3)/25 Err:IDm0s3t1 (fp+FP)/All=(0+1)/25 Err:IDm3s0t1 (fp+FP)/All=(0+1)/25 Err:IDm3s2t3 (fp+FP)/All=(0+2)/25 Err:IDm5s0t4 IDM1s2t2 minPI=.42mex2, maxPI=
12523 #v0mex4 response time steps=30=(30.00+30.00+30.00+30.00+30.00+)/5, (fp+FP)/All=(0+1)/25 Err:IDm0s4t1
minPI=.33mex4 (fp+FP)/All=(0+1)/25 Err:IDm2s1t4 (fp+FP)/All=(0+1)/25 Err:IDm0s4t1 (fp+FP)/All=(0+2)/25 Err:IDm5s0t4 (fp+FP)/All=(0+1)/25 Err:IDm0s4t ns:5 ntx:5 ntxi:10:20 pmin:0.0 beta:0.5 pth:.51 void:0:.50 gibbs:1 mex:0 12531 #NGHYLMEXI response time steps=7.76(8.405.20+8.047.60+8.04)/5, (fp+FP)/All=(0+0)/25 Err:none 12531 #NGHYLMEXZ response time steps=7.76(8.405.20+8.047.60+8.047)/5, (fp+FP)/All=(0+0)/25 Err:none 12532 #NGHYLMEXZ response time steps=7.86(9.00+5.20+10.00+7.60+7.60+7)/5, (fp+FP)/All=(0+0)/25 Err:none 12533 #NGHYLMEXZ response time steps=7.36=(6.40+5.20+8.047.60+8.04)/5, (fp+FP)/All=(0+0)/25 Err:none 12534 #NGHYLMEXZ response time steps=7.36=(6.40+5.20+8.047.60+8.04)/5, (fp+FP)/All=(0+0)/25 Err:none 12535 #NGE., /mineishi/text-indepdata.dar;loo4gibbs-sr fn:8f ns:5 ntx:5 ntx:10:10 pmin:0.0 beta:2 pth. ith:4 ts:4:0:3:1:2 tdisp:3 fmt:%.3f:1 pNr:8:.8:8:8:99 void:1 gibbs:1 mex:-1 12534 #NGHYLMEXZ response time steps=6.76=(7:00+4.00+8.00+8.00+7.60+)/5, (fp+FP)/All=(0+0)/25 Err:none 12537 #NGHYLMEXZ response time steps=7.76=(8.40+5.20+8.00+7.60+8.00+7)/5, (fp+FP)/All=(0+0)/25 Err:none 12538 #NGHYLMEXZ response time steps=7.76=(8.40+5.20+8.00+7.60+8.00+7)/5, (fp+FP)/All=(0+0)/25 Err:none (fp+FP)/All=(0+0)/25 Err:none #NG#VlmexO response time steps=7.6=(7.60+5.20+8.80+8.80+7.60+7.60+7),5, (fp+PP)/All=(0+0)/25 Exr:none #NG#VlmexI response time steps=7.78=(8.40+5.20+16.80+7.60+7),5, (fp+PP)/All=(0+0)/25 Exr:none #NG#VlmexZ response time steps=7.78=(8.40+5.20+16.00+7.60+7.60+7),6(p+PP)/All=(0+0)/25 Exr:none 12499 ### P12/PI0 12499 ### =-./minalahi/text-indepdata.dat.loo4gibbs-sr fn:\$f ns:5 ntx:5 ntx:110:20 pmin:0.0 beta:0 12490 #s:4:0:3:11:2 tdisp:3 fmt:%.3f:1 pNr:.8:.8:.8:.8:.99 void:0:.66 gibbs:1 mex:-1 12496 #vOmex-1 response time steps=20=(20.00+20.00+20.00+20.00+)/5, (fp+FP)/All=(0+0)/25 response time steps=20=(20.00+20.00+20.00+20.00+)/5, (fp+FP)/All=(0+0)/25 (fp+FP)/All=(0+3)/25 (fp+FP)/All=(0+1)/25 (fp+FP)/All=(0+2)/25 (fp+FP)/All=(0+1)/25 (fp+FP)/All=(0+2)/25 12498 #vomex1 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, minblv=424 maxFir=374 #vomex2 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, IDMLS2t2 IDM3s2t3 minblv=36t3 maxFiv=39t4 12599 #VOMEAX response time steps=20=(20.00+20.00+20.00+20.00+20.00+20.00+)/5, IDMASX13 minbTv-4.4215 maxXIx=57t4
12510 #VOMEAX response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, IDMSX24 minbTv-63 maxZix=52t4 12490 #VOMEXZ response time steps=20=(20.00+20.00+20.00+20.00+20.00+20.00+)/5, IDM3s2b3 maxPir=35t4 minFiv=26t3 12491 #VOMEXZ response time steps=20=(20.00+ 12492 #v0mex4 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, maxpIr=37t4 minPIv=41t2 #v0mex4 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, minPlv=55t2 maxPlv=49t3 12506 #v0mex0 response time steps=20=(20.00+20.00+20.00+20.00+20.00+20.00+)/5, minPIv=47t2 maxPIr=35t4 time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, #v0mex3 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, #v0mex2 response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, 00+20.00+)/5, $\pm v0mex1$ response time steps=20=(20.00+20.00+20.00+20.00+20.00+)/5, #NG2012.06.10-13 replace the result of beta=0.5 by 1.0 for gibbs:1 f=../wineishi/text-indepdata.dat;loo4gibbs-sr fn:\$f ts:4:0:3:1:2 tdisp:3 fmt:%.3f:1 PNr:.8:.8:.8:.99 12489 #v0mex1 response time steps=20=(20.00+20 minPIv=55t2 maxPIr=70t4 IDm2s3t4 minPIv=32t3 maxPIv=37t4 maxPIr=65 minPIv=.54, maxPIr=.44 maxPIr=28t4 minPIv=37t4 maxPIr=28t4 minPIv=55 #v0mex0 response maxPIr=50t4 minPIv=51t4 maxPIr=53t4 minPIv=46t3 maxPIr=49t4 with 4mean #v0mex-1 IDM2s3t3 12501 #v IDM1s2t2 12500 #v IDm5s2t4 th:100 12497 12507 12504 12519 12502

readmecan2mspeech.txt Dec 05 2019 13:52:41

Page 200

(fp+FP)/All=(0+0)/25 Err:none #NG#Vlmex2 response time steps=7.56=(8.60+5.20+10.00+6.40+7.60+)/5, (fp+FP)/All=(0+0)/25 Err:none #NG#Vlmex3 response time steps=7=(7.40+5.20+8.80+6.00+7.60+)/5, (fp+FP)/All=(0+0)/25 Err:none #NG#Vlmex4 response time steps=7.12=(5.60+5.20+8.40+7.60+8.80+)/5, (fp+FP)/All=(0+0)/25 Err:none #NG#Vlmex4 response time steps=7.12=(5.60+5.20+8.40+7.60+8.80+)/5, (fp+FP)/All=(0+0)/25 Err:none #NGPrint (7.6+7.76+7.56+7+7.12)/5, "=7.408"

beta:1.0 pth:.7 12543 #NGF=.../mineishi/text-indepdate.dat;loo4gibbs-sr fn:\$f ns:5 ntxi:5 ntxi:10:10 pmin:0.0 beta:1.0 pth:. 78 ith:4 ts:4:0:31:2 tdisp:3 fmt:%.3f:1 pNr:.8:.8:.8:.99 void:1 gibbs:1 mex:1 15.44 #NGF=../mineishi/text-depdate.2.dat:loog-gqibbs-sr fn:\$f ns:5 ntxi:10:10 pmin:0.0 beta:1.0 pth:. 78 ith:4 ts:4:0:3:1:2 tdisp:3 fmt:%.3f:1 pNr:.8:.8:.8:.99 void:1 gibbs:1 mex:1 12545 #NG#vlmex-1 response time steps=6.76=(7.00+4.00+8.80+6.40+7.60+)/5, (fp+Fp)/All=(0+0)/25 Err:none in beta:1 depdata

#NG#VlmexO response time steps=7.5=(7.60+5.20+8.80+8.80+7.60+)/5, (fp+FP)/All=(0+0)/25 Err:none #NG#VlmexO response time steps=7.5=(8.20+5.20+8.80+7.6.4), (fp+FP)/All=(0+0)/25 Err:none #NG#VlmexZ response time steps=7.48=(8.20+5.20+10.00+6.40+7.60+)/5, (fp+FP)/All=(0+0)/25 Err:none #NG#VlmexZ response time steps=6.92=(7.40+5.20+10.00+6.40+7.60+1)/5, (fp+FP)/All=(0+0)/25 Err:none #NG#Vlmex4 response time steps=6.92=(7.40+5.20+8.80+5.60+7.60+1)/5, (fp+FP)/All=(0+0)/25 Err:none #NG#Vlmex4 response time respe=7.2=(5.80+5.20+8.80+7.60+8.80+7)/5, (fp+FP)/All=(0+0)/25 Err:none #NG#Vlmex4 response time respe=7.2=(5.80+5.20+8.80+7.60+8.80+7)/5, (fp+FP)/All=(0+0)/25 Err:none 12546 12547 12548 12549 12550

2012.06.14 not for ICONIP2012? ###UN# 12552 12553 12551

12554 f=../mineishi/text-indepdata.dat/loo4gibbs-sr fn:\$f ns:5 ntxi: ntxi: 10:10 pmin:0.0 beta:0.5 pth:.51 ith:4 ts:4:0:31:2 tdisp:3 fmt.*3:12 pNr:.8:.8:.8:.8:.99 void:1 gibbs:1 mex:1
12555 #lumex-1 response time steps=7.08=(7.40+4.00+8.80+7.60+7.60+7)/5, (fp+FP)/All=(0+0)/25 Err:none #maxP Ir7:09e-01rPtrthcminPTV1.006+20 beta=0.5
12556 #vlmexO response time steps=7.6=(7.60+5.20+8.80+8.80+7.60+7)/5, (fp+FP)/All=(0+0)/25 Err:none #maxP Ir7:09e-01rPtrthcminPTV1.00e+20 beta=0.5 #maxP #maxP

#maxP #maxP

m# #maxP Err:none 127.93e-01cPtrthcminETV7.44e-01
12557 #Vlmex1 response time steps=7.72=(8.20+5.20+8.80+7.60+8.80+7.50+FFF)/All=(0+0)/25 Err:none ilr7.93e-01cPtrthcminETV7.94e-01
12557 #Vlmex1 response time steps=7.72=(8.20+5.20+8.80+7.60+8.80+7.60+FF)/All=(0+0)/25 Err:none ilr5.94 #Vlmex2 response time steps=7.48=(8.20+5.20+10.00+6.40+7.60+7)/5, (fp+FP)/All=(0+0)/25 Err:none ilr5.44-01/21 trthcminETV8.97e-01
12559 #Vlmex3 response time steps=6.84=(7.00+5.20+8.80+5.60+7.60+7)/5, (fp+FP)/All=(0+0)/25 Err:none ilr6.89e-01-27 trthcminETV8.34e-01
12569 #Vlmex3 response time steps=6.84=(7.00+5.20+8.80+5.60+7.60+7)/5, (fp+FP)/All=(0+0)/25 Err:none ilr6.89e-01-27 trthcminETV8.34e-01
12569 #Vlmex4 response time steps=7.2=(5.80+5.20+8.60+7.60+7)/5, (fp+FP)/All=(0+0)/25 Err:none ilr7.08e-01-27 trthcminETV8.51e-01
12563 #Vlmex4 response time steps=10=(10.00+10.00+10.00+10.00+1)/5, (fp+FP)/All=(0+0)/25 Err:none ilr7.08e-01-27 trthcminETV8.51e-01

m# ## Err:none Err:none axPII9.55e-01cloterithcminpIv9.42e-01 beta=0.1
12664 #VlmaxO response time steps=10.00
12664 #VlmaxO response time steps=10.00
12665 #VlmaxO response time steps=10=(10.00+10.00+10.00+10.00+10.00+)/5, (fp+FP)/All=(0+0)/25
axPII4.00
12665 #VlmaxO response time steps=10=(10.00+10.00+10.00+10.00+10.00+)/5, (fp+FP)/All=(0+0)/25
axPII4.77e-01

12567

12574 #NGMYLMEAX response time steps=6.64(6.40%5.00+7.00+7.94%.00+7)5, (EptPP)/All=(0+0)/25 Exrinone 12574 #NGMYLMEAX response time steps=6.64(6.40%5.00+7.00+5.00+7.00+7)5, (EptPP)/All=(0+0)/25 Exrinone 12575 #NGMYLMEAX response time steps=6.24(6.00+5.00+5.00+7.00+7)5, (EptPP)/All=(0+0)/25 Exrinone 12579 #NGMYLMEAX response time steps=6.24(6.00+5.00+7.00+5.00+7)5, (EptPP)/All=(0+0)/25 Exrinone 12579 #NGMYLMEAX response time steps=6.24(6.00+5.00+7.00+5.00+7)5, (EptPP)/All=(0+0)/25 Exrinone 12579 #NGMYLMEAX response time steps=6.78(7.00+4.00+8.80+6.40+7.60+7)5, (EptPP)/All=(0+0)/25 Exrinone 12581 #VLMEAX response time steps=7.66(7.00+4.00+8.80+6.40+7.60+7)5, (EptPP)/All=(0+0)/25 Exrinone 12581 #VLMEAX response time steps=7.66(7.00+4.00+8.80+6.80+7.60+7)5, (EptPP)/All=(0+0)/25 Exrinone 12583 #VLMEAX response time steps=7.36(7.80+5.20+8.80+7.60+7)5, (EptPP)/All=(0+0)/25 Exrinone 12584 #VLMEAX response time steps=7.36(7.80+5.20+8.80+7.60+7)5, (EptPP)/All=(0+0)/25 Exrinone 12584 #VLMEAX response time steps=7.36(7.80+5.20+8.80+7.60+7)5, (EptPP)/All=(0+0)/25 Exrinone 12584 #VLMEAX response time steps=6.640+5.20+8.80+6.80+7.60+7)5, (EptPP)/All=(0+0)/25 Exrinone 12584 #VLMEAX response time steps=6.640+5.20+8.80+7.60+7)5, (EptPP)/All=(0+0)/25 Exrinone 12586 #VLMEAX response time steps=6.640+5.20+8.80+6.80+7.60+7)5, (EptPP)/All=(0+0)/25 Exrinone 12589 #VLMEAX response time steps=6.640+5.20+8.80+7.60+7)5, (EptPP)/All=(0+0)/25 Exrinone 12589 #VLMEAX response time steps=5.64(5.80+5.20+8.80+7.60+7)5, (EptPP)/All=(0+0)/25 Exrinone 12599 #VLMEAX response time steps=5.64(5.00+4.00+6.00+7.60+7)5, (EptPP)/All=(0+0)/25 Exrinone 12591 #VLMEAX response time steps=5.64(5.00+4.00+6.00+7.60+7)5, (EptPP)/All=(0+0)/25 Exrinone 12591 #VLMEAX response time steps=5.64(5.00+4.00+7.60+7)5, (EptPP)/All=(0+0)/25 Exrinone 12591 #VLMEAX response time steps=5.64(5.00+4.00+7.60+7)5, (EptPP)/All=(0+0)/25 Exrinone 12593 #VLMEAX response time steps=5.64(6.00+4.00+6.00+7.60+7.60+7)5, (EptPP)/All=(0+0)/25 Exrinone 12594 #VLMEAX response time steps=5.00+4.

ts:

12594 12595

2012.06.10 use the result for gibbs:0 ######### OK-Version1 for ICONIP2012 described in iconipl2spe 12596

for

ach0614Version1.tex 12597 (1)pp の計算を変更 used for ICONIP2012

#############PNr:.7:.7:.7:.7:.99 better than below PNr:.7:.7:.7:.99

12599 f=../wineishi/text-depdata.dat 12600 #f=../mineishi/text-depdata2.dat:loo4gibbs-sr fn:\$f ns:5 ntxi:5 ntxi:10:10 pmin:0.0 pth:.999 ith:4 ts 12601 f=../mineishi/text-indepdata.dat:loo4gibbs-sr fn:\$f ns:5 ntxi:5 ntxi:10:10 pmin:0.0 pth:.999 ith:4 ts *4:0:3:12 tdisp:3 fmt:%.8f:1 pNr:.8:.8:.8:.8:.8:.99 void:1 gibbs:0 mex:1

#gibb Err:none steps=5.16=(4.00+4.00+6.40+5.60+5.80+)/5, (fp+FP)/All=(0+0)/25

gibbs: Err:none (fp+FP)/All=(0+0)/25 steps=5.2=(4.00+4.00+6.20+6.00+5.80+)/5, s:1 beta:0.5 pth:.51 12610 #vlmex-1 response time s:1 beta:1.0 pth:.78 12611 #vlmex0 response time s gibbs:

###0riginal Verification Error Rate:0.076(19/250)0.052(13/250)0.108(27/250)0.120(30/250)0.132(33/25

Err:none #gibb 420 (21/50) #Original Verification FP Rate:0.015(3/200)0.015(3/200)0.040(8/200)0.070(14/200)0.040(8/200) #Original Verification FN Rate:0.020(16/50)0.200(10/50)0.380(19/50)0.320(16/50)0.500(25/50) #Original Identification Erro Rate:0.200(10/50)0.200(11/50)0.280(14/50)0.400(20/50)0.420(21/50) #Unex-1 response time stepse.08e(5.404.0047.8045.8047.404)/5, (fp.FP)/All=(0+0)/25 Err:none i

Err:none #gibb

Err:none #gibb (fp+FP)/All=(0+0)/25 steps=7.08=(7.40+4.00+8.80+7.60+7.60+)/5, s:1 beta:0.5 pth:.51 12634 #v1mex-1 response time

#gipp

Err:none

#gibb

#gibb #gipp #gibb

Err:none Err:none Err:none (fp+FP)/All=(0+0)/25 (fp+FP)/All=(0+0)/25 steps=6.76=(7.00+4.00+8.80+6.40+7.60+)/5, steps=6.76=(7.00+4.00+8.80+6.40+7.60+)/5, steps=6.76=(7.00+4.00+8.80+6.40+7.60+)/5, s:1 beta:0.6 pth:.57
12635 #Vimex.1 response time st
s:1 beta:0.8 pth:.68
12636 #Vimex-1 response time st
s:1 beta:1.0 pth:.78
12637 #Vimex-1 response time st

Err:none Err:none steps=6.76=(7.00+4.00+8.80+6.40+7.60+)/5, (fp+FP)/All=(0+0)/25 steps=6.72=(6.80+4.00+8.80+6.40+7.60+)/5, (fp+FP)/All=(0+0)/25 s:1 beta:1.5 pth:.91 12638 #Vimex.1 response time st. s:1 beta:2.0 pth:.97 12639 #Vimex-1 response time st. s:1 beta:4.0 pth:.999

1044 #V.M.REAX response time steps=6.28=(5.804*.00+6.80+6).5, (Fp+FP)/All=(0+0)/25 Err:none #glidded peta:0.5

12642 #V.M.REAX response time steps=6.24=(6.004.20+7.40+6.80+6).5, (Fp+FP)/All=(0+0)/25 Err:none #glidded #V.M.R.AX response time steps=6.24=(6.004.20+8.06+6.60+7.60+7).6, (Fp+FP)/All=(0+0)/25 Err:none | 12643 #V.M.REAX response time steps=6.24=(6.004.20+8.80+6.80+6).5, (Fp+FP)/All=(0+0)/25 Err:none | 12644 #V.M.REAX response time steps=7.75=(5.204.42.04+5.80+6.60+7.00+7).5, (Fp+FP)/All=(0+0)/25 Err:none | 12645 #V.M.REAX response time steps=7.75=(8.20+5.20+8.80+7.60+7).5, (Fp+FP)/All=(0+0)/25 Err:none | 12647 #V.M.REAX response time steps=7.72=(8.20+5.20+8.80+7.60+8.80+7).5, (Fp+FP)/All=(0+0)/25 Err:none | 12649 #V.M.REAX response time steps=7.72=(8.20+5.20+8.80+7.60+8.80+7).5, (Fp+FP)/All=(0+0)/25 Err:none | 12649 #V.M.REAX response time steps=7.72=(8.20+5.20+8.80+5.60+7.60+7).5, (Fp+FP)/All=(0+0)/25 Err:none | 12650 #V.M.REAX response time steps=7.72=(8.20+5.20+8.80+5.00+7.60+7).5, (Fp+FP)/All=(0+0)/25 Err:none | 12651 #V.M.REAX response time steps=7.72=(8.20+5.20+8.80+7.60+7).5, (Fp+FP)/All=(0+0)/25 Err:none | 12651 #V.M.REAX response time steps=7.72=(8.20+5.20+8.80+7.60+7).5, (Fp+FP)/All=(0+0)/25 Err:none | 12651 #V.M.REAX response time steps=7.72=(8.20+5.20+8.80+7.60+7).5, (Fp+FP)/All=(0+0)/25 Err:none | 12654 #V.M.REAX response time steps=7.72=(8.20+5.20+8.80+7.60+7).5, (Fp+FP)/All=(0+0)/25 Err:none | 12654 #V.M.REAX response time steps=7.72=(8.20+5.20+8.80+7.60+7).5, (Fp+FP)/All=(0+0)/25 Err:none | 12654 #V.M.REAX response time steps=7.72=(8.20+5.20+8.80+7.60+7).5, (Fp+FP)/All=(0+0)/25 Err:none | 12659 #V.M.REAX response time steps=7.42=(7.00+4.00+8.80+7.60+7).5, (Fp+FP)/All=(0+0)/25 Err:none | 12659 #V.M.REAX response time steps=7.42=(7.20+8.80+7.60+7).5, (Fp+FP)/All=(0+0)/25 Err:none | 12659 #V.M.REAX response time steps=7.42=(8.20+5.20+8.80+7.60+7).5, (Fp+FP)/All=(0+0)/25 Err:none | 12669 #V.M.REAX response time steps=7.48=(8.20+5.20+8.80+7.60+7).5, (Fp+FP)/All=(0+0)/25 Err:none | 12660 #V.M #gibbs #gipps: Err: none 12641 #vlmex0 response time steps=6.28=(5.80+4.00+8.00+6.80+6.80+)/5, (fp+Fp)/All=(0+0)/25

print (7.6+7.7247.48+6.84+7.2); 7.368*

Period (7.6+7.7247.48+6.84+7.2); 7.368*

Le ., Minichishi, (Feet-Gegdatez, dat.) Godgibbs-sr fin:\$f ns:5 ntx:5 ntx:5 ntx:10:10 pmin:0.0 pth:78 ith:4

E tillsp:3 fmt:8, 3f:1. beta:1.0 pWr:8:8:8:99 void:1 gibbs:1 mex:-1

#Vlmex-1 response time steps=7.6=(7.00+4.00+8.80+6.40+7.60+)5, (fp+Fp)/All=(0+0)/25 Err:none

#Vlmex-1 response time steps=7.6=(7.00+8.80+6.40+7.60+)5, (fp+Fp)/All=(0+0)/25 Err:none

#Vlmex-2 response time steps=7.48=(8.20+5.20+8.80+7.60+7.60+7)5, (fp+Fp)/All=(0+0)/25 Err:none

#Vlmex-2 response time steps=7.48=(8.20+5.20+10.00+6.40+7.60+7)5, (fp+Fp)/All=(0+0)/25 Err:none

#Vlmex-2 response time steps=7.88=(8.20+5.20+8.80+5.60+7.60+7)5, (fp+Fp)/All=(0+0)/25 Err:none

#Vlmex-2 response time steps=7.88=(8.20+5.20+8.80+7.60+7.60+7)5, (fp+Fp)/All=(0+0)/25 Err:none

#Vlmex-2 response time steps=7.88=(8.90+8.80+7.60+8.80+7.80+7.80+7)5, (fp+Fp)/All=(0+0)/25 Err:none

ts:4

tdisp:3 fmt:%.10f:1

m4:0:0.000

readmecan2mspeech.txt Dec 05 2019 13:52:41

mex:-1

gibbs:0

void:1

.7:.7:.799

Page 202

12669 phi: 99999 Extrinome to contain stepace. Get(6:00-4.20+5.40+6.00+8.60+)/5, (Ep+EP)/All=(1+0)/25 ExriIDmOslt3
12669 phi: 99999 Extrinome time stepace. Get(6:00-4.20+5.40+6.00+8.60+)/5, (Ep+EP)/All=(1+0)/25 ExriIDmOslt3
12669 phi: 99
12669 phi: 99
12669 phi: 99
12669 phi: 99
12669 phi: 90
12660 phi: 90
12 П PN PN m1:-:0.2000 ith:4 pth:.99999 pmin:0.0 12690 12691 f=../mineishi/text-indepdata.dat.loo4gibbs-sr fn:\$f ns:5 ntxi5 ntxi:10:10 12692 f=../mineishi/text-indepdata.dat.loo4gibbs-sr for:\$f ns:5 ntxi5 ntxi:10:10 12692 pth:.99999 Err:none for all pth:0.999 12693

12791

tdisp:3 fmt:%.2f:1 beta

pmin:0.0 pth:.54 ith:4 ts:4:0:3:1:2

```
рt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      þţ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              рt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             pt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IDm
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       П
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 beta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Err: IDm0s1t3 pt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Err: IDm0s1t3 pt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #vlmex3 response time steps=5.32=(5.20+4.00+5.80+4.00+7.60+)/5, (fp+FP)/All=(1+0)/25 Erx:IDm2S313 pt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #vlmex4 response time steps=5.12=(5.60+4.00+4.20+5.40+5.40+)/5, (fp+FP)/All=(1+0)/25 Err:IDm2s3t3 pt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Err: IDm2s3t3 pt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         f=../mineishi/text-indepdata.dat:loo4gibbs-sr fn:$f ns:5 ntx:5 ntxi:10:10 pmin:0.0 pth:.55 ith:4 ts:
2 tdisp:3 fmt:%.3f:1 beta:0.5 PNr:.7:.7:.7:.7:.99 void:1 gibbs:1 mex:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        pth:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "=7.96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         steps=4.92=(5.00+4.00+5.00+4.20+6.40+)/5, (fp+FP)/All=(1+0)/25 Err:IDm2s3t3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #Vlmex0 response time steps=6.52=(5.20+5.20+5.20+7.60+9.40+)/5, (fp+FP)/All=(0+0)/25 Err:none #vlmex1 response time steps=5.96=(5.20+4.00+5.04-5.40+7.40+)/5, (fp+FP)/All=(0+0)/25 Err:none #vlmex2 response time steps=5.44=(5.20+4.00+5.40+7.40+)/5, (fp+FP)/All=(0+0)/25 Err:none #vlmex2 response time steps=5.72=(5.20+3.04+5.60+7.40+)/5, (fp+FP)/All=(0+0)/25 Err:none #vlmex4 response time steps=5.2 = (5.20+5.20+5.20+5.60+7.40+)/5, (fp+FP)/All=(0+0)/25 Err:none #vlmex4 response time steps=5.2 = (5.20+5.20+5.20+5.20+5.20+5.20+5.50+7.40+)/5, (fp+FP)/All=(0+0)/25 Err:none print (5.2,5.2,5.44*2)/5, 5.2,7.6+4.5+2.50+5.20+5.20+7.40+7.4*2+5.20/5, =5.2,4.75.5.76*8 Print (6.52+5.96+5.44+5.72+5.2)/5, =5.2,4.75.5.80 Print (6.52+5.96+5.44+5.72+5.2)/5, =5.76*8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Err: IDm0s1t3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (fp+FP)/All=(2+0)/25 Err:IDm0s1t3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  \text{\#vlmex1} response time steps=4.8 = (4.80 + 4.00 + 4.00 + 4.40 + 6.80 +)/5, (\text{fp+FP})/\text{All} = (2+0)/25 Err:IDm0s1t3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         \#vlmex3 response time steps=5.4=(5.20+4.00+6.20+4.00+7.60+)/5, (fp+FP)/All=(1+0)/25 Err:IDm2s3t3+3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            fmt:%.2f:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ###f=../mineishi/text-depdata2.dat
#VImex-1 response time steps=5.48=(4.00+4.00+4.00+6.00+9.40+)/5, (fp+FP)/All=(0+0)/25 Err:none
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                \mathtt{steps=6=(6.604.00+6.00+5.80+7.60+)/5}, \ (\mathtt{fp+FP}) \ / \mathtt{All=(1+0)/25} \ \mathtt{Erx:IDm0slt3}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Err:none
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Err:none
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Err:none
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Err:none
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #vlmex-1 response time steps=5.48=(4.00+4.00+4.00+6.00+9.40+)/5, (fp+FP)/All=(0+0)/25 Err:none
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          v_1 = v_2 = v_3 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           h:.54
12773 #vlmex1 response time steps=6.92=(7.80+5.20+6.40+6.40+8.80+)/5, (fp+FP)/All=(1+0)/25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #v1 mex1 Case2:Err @4 by IDm0s1t3 fP=1 fP=1 Number of Responses 2=tP(1)-fP(1) #v1mex1 response time steps=6.04=(6.0044.20+5.40+6.00+8.60+)/5, (fp+FP)/All=(1+0)/25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            tdisp:3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #vlmex1 response time steps=7.28=(8.20+5.20+7.60+6.60+8.80+)/5, (fp+FP)/All=(1+0)/25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (fp+FP)/All=(1+0)/25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (fp+FP)/All=(2+0)/25
                                                                                                                                       m1:-:0.200
m5:0:0.037
m5:0:0.002
m5:0:0.000
m5:1:0.001
m5:1:0.000
m5:1:0.000
m5:1:0.100
m5:1:0.100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             m5:0:0.980
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (fp+FP)/All=(1+0)/25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (fp+FP)/All=(1+0)/25
                                                                                                                                                                 12732 v1 sitl_3il m0:10:035 unil:0.000 m2:0:0.004 m3:0:0.004 m4:10:0.021 mil-0.0200 m2:0:0.004 m3:0:0.004 m3:0:0.0021 m5:0:0.002 m2:0:0.004 m3:0:0.004 m3:0:0.0021 m5:0:0:0.002 m2:0:0.000 m3:0:0.000 m3:0:0.000 m3:0:0.000 m3:0:0:0.000 m3:0:0.000 m3:0:0:0.000 m3:0:0:0.000 m3:0:0:0.000 m3:0:0:0.000 m3:0:0:0
                                                         2=tP(1)-fP(1)
                                                                                                                             00 ml:-:0.200

14 m4:0:0.021

10 m4:0:0.000

10 m4:0:0.000

10 m4:0:0.000

10 m4:0:0.000

10 m4:0:0.001

10 m4:0:0.000
                                                    of Responses
                                                                                                                       h:.45
12774 #Vlmex3 response time steps=5.8=(5.60+4.00+7.60+4.20+7.60+)/5,
h:.45
12775 #vlmex1 response time steps=6=(6.60+4.00+6.00+5.80+7.60+)/5, (f
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              steps=4.96=(4.20+4.00+5.80+4.00+6.80+)/5,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       steps=4.76=(5.60+4.00+4.00+4.00+6.20+)/5,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #vlmex1 response time steps=5.6=(6.60+4.00+5.40+4.40+7.60+)/5,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             time steps=5.4=(5.80+4.00+4.20+5.40+7.60+)/5,
                                                    IDm0s1t3 fP=1 fP=1 Number
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (7.36+7.52+7.72+7.24+7.32)/5,"=7.432"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ###f=../mineishi/text-indepdata.dat
                                                         ρχ
                                                    @4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #vlmex-1 response time
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Error none
m5:0:0.9802803892
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #vlmex4 response
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    h:.35
12785 #vlmex3 response
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12769 print (7.6+: 5.2 8.48 7.44 8.08" 12770 print (7.36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #pth:0.55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #pth:.55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12s3t3 pth: .35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12750 ##1
12751 ##1
12753 ##V1
12754 #W1
12755 #W1
12755 Pri
12757 Pri
12758 ###
12759 ###
12760 ff ###
12760 ff ###
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2s3t3 pth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2s3t3 pth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             h:.38
12780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        h:.40
12777
h:.40
12778
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          h:.40
12776
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12779
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12763
12764
12765
12766
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 h: 38
12781
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12771
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12783
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

1.2 tdisp:3 beta:2. PMr: 7: 7: 7: 7: 99 void:1:0.4 gibbs:1 mex:-1
1.2 tdisp:3 beta:2. PMr: 7: 7: 7: 7: 99 void:1:0.4 gibbs:1 mex:-1
1.2 tdisp:3 beta:2. PMr: 7: 7: 7: 7: 7: 99 void:1:0.4 gibbs:1 mex:-1
1.2 tdisp:3 beta:2. PMr: 7: 7: 7: 7: 7: 7: 99 void:1:0.4 gibbs:1 mex:-1
1.2 13: 10.04gibbs-sr fn: .../mineishi/text-depdatad.dat ns:5 ntx:5 ntx:10:10 pmin:0.05 pth:.94 ith:4 ts:4:0:3
1.1.2 tdisp:2 beta:0. PNr: 7: 7: 7: 7: 99 void:1:0.4 gibbs:1 mex:-1
1.2 tdisp:2 beta:0.6 PNr: 7: 7: 7: 7: 7: 99 void:1 gibbs:0 mex:-1
1.2 tdisp:2 beta:0.6 PNr: 7: 7: 7: 7: 7: 99 void:1 gibbs:0 mex:-1
1.2 tdisp:2 beta:0.6 PNr: 7: 7: 7: 7: 7: 99 void:1 gibbs:0 mex:-1
1.2 tdisp:2 beta:0.6 PNr: 7: 7: 7: 7: 7: 99 void:1 gibbs:0 mex:-1 12854 NG:loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:10 pmin:0.05 pth:.8 ts:4:0:3:11: tdisp:4 beta:.6 ppr:.8 void:0:0:5 glbbs:1 max:-1 12855 (2) pbr & pwr(t] とし.text時(シナhmilt=FNr(t)*ymeanP[m][t]+(1.-pNr(t))*ymeanN[m][t]:之設 定 さるよ ith:10 ts:4:0 loo4gibbs-sr fn:../mineishi/text-depdata2.dat ns:5 ntx:5 ntxi:10:10 pmin:0.05 pth:.78 ith:4 ts:4:0:3 lsp:3 beta:2. PNr:.7:.7:.7:.7:.99 void:1:0.4 gibbs:1 mex:-1 loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:10 pmin:0.05 pth:.78 ith:4 ts:4:0: tdisp:3 fmt:%.2f:1 beta 12807 12808 loo4gibbs-sr fn:\$f ns:5 ntx:5 ntx:10:10 pmin:0.0 pth:.3 ith:4 ts:4:0:3:1:2 tdisp:3 fmt:%.2f:1 beta: 0.1 PNr:.7:.7:.7:.7:.99 void:0:0.28 gibbs:1 mex:0 12809 ith:4 ts:4:0: (2) 次の子グラコ・マンコ・スペートの表示の、mexicm. pth:cpth1>:cpth2>:.. を追加した
 void: 0 void識別器を使かない
 void: void識別器を使う、初期確率はすべての学習機械で均一.
 void: 1 void識別器を使う、初期確率はすべての学習機械が1(=1-pmin),他の学習機械は0(=pmint=0.01?)
 void: void識別器を使う、初期確率はvoidの学習機械が1(=1-pmin),他の学習機械は0(=pmint=0.01?)
 pmx:rm 学習機械で不必要がに用いたが、m=-1のときはすべて使う.
 pth:cpth1>: テキスト毎に認識のしきに作るをできれてある.
 pth:cpth2>: テキスト毎に認識のしきを作権を設定する.
 (2) text-indepdata.datに対し,loo4gibbs-sr でvoid:2を使って,mex:-1で識別率100%,mex:4で1個問題いと. Err: none text-indepdata.datに対し,1004bayes-srではvoid:0,1,2 のいづれも,mex:-1で識別率100%,mex:4で > 2012.02.14> (1) ギブス分布を使う話者 識別プログラム(1004gibbs-sr.c)を作成し, 単純ペイズを使う話者 識別プログラ pth: .94 pth: .94 pth:.94 pth:.94 #vlmex-1 response time steps=4.28=(4.20+4.20+4.60+4.60+4.40+)/5, (fp+FP)/All=(0+0)/25 ### Millor | 3:1:2 tdisp:3 beta:2. PNr:,7:7:7:7:99 void:1:0.4 gibbs:1 mex:-1.10:10 pmin:0.05 1282 todisp:2 beta:0. PNr:,7:7:7:7:99 void:1:0.4 gibbs:1 mex:-1.2:0:10:10 pmin:0.05 pril:2 tdisp:2 beta:0.6 PNr:,7:7:7:7:99 void:1 gibbs:0 mex:-1 pril:10:10 pmin:0.05 pril:2 tdisp:2 beta:0.6 PNr:,7:7:7:7:99 void:1 gibbs:0 mex:-1 pril:10:10 pmin:0.05 pril:2 tdisp:2 beta:0.6 PNr:,7:7:7:7:99 void:1 gibbs:0 mex:-1 pril:10:10 pmin:0.05 pril:2 tdisp:2 beta:0.6 PNr:,7:7:7:7:99 void:1 gibbs:0 mex:-1 pril:10:10 pmin:0.05 pril:2 pri pmin:0.05 pmin:0.05 ith:4 ts:4:0:3:1:2 良い 識別率を達成するパラメタは見つかっていない(見つかるかもしれないが…). 12817 loodgibbs-sr fn:./mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:10 3:1:2 tdisp:3 beta:0.6 PNr:.7:.7:.7:.99 void:1 gibbs:0 mex:1 12818 loodgibbs-sr fn:./mineishi/text-indepdata.dat ns:5 ntxi:5 ntxi:10:10 12812 tdisp:4 beta:0.6 PNr:.7:.7:.7:.7:.99 void:1 gibbs:0 mex:2 12812 tdisp:4 beta:0.6 PNr:.7:.7:.7:.7:.99 void:1 gibbs:0 mex:2 2012.05.30 (1) See 2012.02.14 for void:<n>, mex:<m>, pth:<pthl>:<pthl>:<pthl>:... pmin:0.0 pth:.22 (1) void:0:[PIrth] <=void:0 にオプションを追加 最終判断で,max PI >=DIFth であわばその・マンンで製職, max PI <PIrth ならば未登録 (mens=5)と判断 (2) void:0 を修正した.gibbs:0 でも良くなった!? 修正内容: 慶後までしきい値に避しなかったらvoidとする. (3) New PP: see the paper iconip2012speech.pdf 2012.06.06 12831 (2012.05.30 (1283 2012.01.4 for void:cn), mex:cm2 1283 (1) See 2012.02.14 for void:cn), mex:cm2 1283 × 2012.02.14 (1283 × 2012.02.14 (1283 × 2012.02.14 (1283 × 2012.02.14 (1283 × 2012.03 × 2013 × 2 12823 loo4gibbs-sr fi :1:2 tdisp:3 beta:2. PN 12824 loo4aibt-==No Good 12844 12828 12829

IDm5s1t4 IDm2s3t1 IDm5s4t4

```
12874 loo4gibbs.sr fn..., whinelsh/text-depdata2.dat ns:5 ntx:5 ntx:10:10 pmin:0.05 pth:.94 ith:4 ts:4:0:3
12874 loo4gibbs.sr fn..., whinelsh/text-depdata2.dat ns:5 ntx:5 ntx:10:10 pmin:0.05 pth:.94 ith:4 ts:4:0:3
12875 #Vinex0 response time steps=4.2 = (4.00+4.00+4.00+4.00+5.6). (fp+FP)/All=(0+0)/25 Err:none
12876 #Vinex1 response time steps=4.15=(4.00+4.00+4.00+4.00+4.60+5). (fp+FP)/All=(0+0)/25 Err:none
12877 #Vinex2 response time steps=4.15=(4.00+4.00+4.00+4.20+4.60+7). (fp+FP)/All=(0+0)/25 Err:none
12878 #Vinex4 response time steps=4.15=(4.20+4.00+4.00+4.20+6.0+75. (fp+FP)/All=(0+0)/25 Err:none
12879 #Vinex4 response time steps=4.15=(4.20+4.00+4.00+4.20+5). (fp+FP)/All=(0+0)/25 Err:none
12880 print (4.4*+4.2*2)/5=4.32
12881 print (4.6*+4.4+4.2*3)/5=4.32
12882 print (4.6*+4.4+4.2*3)/5=4.32
12883 bayesespibs:0.tih.4, unreq
12884 loo4gibbs=8.7 fin../mineishi/text-depdata2.dat ns:5 ntx:5 ntx:10:10 pmin:0.05 pth:.94 ith:10 ts:4:0:
13.1:2 taisp:2 beta:0.6 PNR:.7:7:7:799 void:1 gibbs:0 mex:-1
12885 #Vinex0 response time steps=10(10.00+10.00+10.00+1)/5, (fp+FP)/All=(0+1)/25 Err:IDM59344
                                                                                                                                                                                                 12859 Joo4glbbs-sr fn:../mineishi/text-depdata2.dat ns:5 ntx:5 ntxi:10:10 pmin:0.05 pth:.94 ith:4 ts:4:0:3 tdisp:2 beta:0.6 PNr:.7:.7:.7:.99 void:1 gibbs:0 mex:-1 12860 #vlmex-1 response time steps=4.2=(4.00+4.00+4.40+4.60+)/5, (fp+FP)/All=(0+0)/25 Err:none
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12919 loosgibbs-sr fn:./mineishi/text-indepdata.dat ns:5 ntxi:10:10 pmin:0.05 pth:.94 ith:10 ts:4:0 3:1:2 tdisp:4 beta:0.6 pNr:.7:.7:.7:.7:.99 void:1 gibbs:0 mex:-1 12920 #Vlmex-1 response time steps=10=(10.00+10.00+10.00+10.00+10.00+1)/5, (fp+FP)/All=(0+4)/25 Err:IDm5sOt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ith:4 ts:4:0:3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Err: IDm5s3t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ith:4 ts:4:0:3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ith:10 ts:4:0:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (fp+FP)/All=(0+1)/25 Err:IDm5s3t4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ts:4:0:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ts:4:0:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (fp+FP)/All=(0+1)/25 Err:IDm5s3t4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ntxi:10:10 pmin:0.05 pth:.78 ith:10 ts:4:0:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:10 pmin:0.05 pth:.94 ith:4 ts:4:0:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            print (6.8+6.14.2)/5=6.0

19 print (6.8+6.14.2)/5=6.0

21 deglibbs=1.ith:0.unreg

22 ledglibbs=2.ith:10.unreg

23 ledglibbs=1.ith:0.unreg

24 ledglibbs=1.ith:0.unreg

25 ledglibbs=1.ith:0.unreg

26 ledglibbs=1.ith:0.unreg

27 ledglibbs=1.ith:0.unreg

28 ledglibbs=1.ith:0.unreg

29 void:1:0.4 glibbs:1 mex:0

20 void:1:0.4 glibbs:1 mex:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Err:none
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Err:none
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Err:none
Err:none
Err:none
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ith:10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12890 #####
12891 gibbs:1.ith:4.unreg
12892 loo4gibbs-ser fn:..mineishi/text-depdata2.dat ns:5 ntx:5 ntx::10:10 pmin:0.05 pth:.78 ith:4
12892 loo4gibbs-ser fn:..mineishi/text-depdata2.dat ns:5 ntx:5 ntx::10:10 pmin:0.05 pth:.78 ith:4
12893 #Limex0 response time steps=4.6 = (4.004+2.00+4.0044.00+4.)/5, (Ep+FP)/All=(0+0)/25 Err:non
12894 #Limex1 response time steps=4.5 = (4.00+4.20+4.00+4.20+6.40+)/5, (Ep+FP)/All=(0+0)/25 Err:non
12895 #Limex2 response time steps=4.5 = (4.00+4.20+4.20+6.20+)/5, (Ep+FP)/All=(0+0)/25 Err:non
12895 #Limex2 response time steps=4.5 = (4.00+4.20+4.20+6.20+)/5, (Ep+FP)/All=(0+0)/25 Err:non
12895 #Limex2 response time steps=4.5 = (4.00+4.20+4.20+4.20+)/5, (Ep+FP)/All=(0+0)/25 Err:non
12895 #Limex4 response time steps=4.8 = (4.00+4.20+4.20+4.20+)/5, (Ep+FP)/All=(0+0)/25 Err:non
12890 print (4.23+44.8)/5-4.2
12891 print (4.23+44.8)/5-4.2
12892 print (4.23+44.8)/5-4.2
12893 print (4.23+44.8)/5-4.2
12894 print (4.43-44.2)/5-6
12895 print (4.43-44.2)/5-6
12896 print (4.43-44.2)/5-6
12897 print (6.9+6.4*2-6.24.2)/5-6
12899 print (6.9+6.4*2-6.24.2)/5-6
12890 print (6.9+6.4*2-6.24.2)/5-6
12890 print (6.9+6.4*2-6.24.2)/5-6
12891 print (6.9+6.4*2-6.24.2)/5-6
12892 print (6.9+6.4*2-6.24.2)/5-6
12893 print (6.9+6.4*2-6.24.2)/5-6
12893 print (6.9+6.4*2-6.24.2)/5-6
12894 print (6.9+6.4*2-6.24.2)/5-6
12895 print (6.9+6.4*2-6.24.2)/5-6
12896 print (6.9+6.4*2-6.24.2)/5-6
12897 print (6.9+6.4*2-6.24.2)/5-6
12898 print (6.9+6.4*2-6.24.2)/5-6
12899 print (6.9+6.4*2-6.24.2)/5-6
12891 print (6.9+6.4*2-6.24.2)/5-6
12892 print (6.9+6.4*2-6.24.2)/5-6
12893 print (6.9+6.4*2-6.24.2)/5-6
12894 print (6.9+6.4*2-6.24.2)/5-6
12895 print (6.9+6.4*2-6.24.2)/5-6
12896 print (6.9+6.4*2-6.24.2)/5-6
12897 print (6.9+6.4*2-6.24.2)/5-6
12898 print (6.9+6.4*2-6.24.2)/5-6
12899 print (6.9+6.4*2-6.24.2)/5-6
12899 print (6.9+6.4*2-6.24.2)/5-6
12890 print (6.9+6.4*2-6.24.2)/5-6
12891 print (6.9+6.4*2-6.24.2)/5-6
12891 print (6.9+6.4*2-6.24.2)/5-6
12890 print (6.9+6.4*2-6.24.2)/6-6
12890 print (6.9+6.4*2-6.24.2)/6-6
12890 print (6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (fp+FP)/All=(0+0)/25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (fp+FP)/All=(0+1)/25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (fp+FP)/All=(0+0)/25
(fp+FP)/All=(0+1)/25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        12866 [2]gibbs:1,ith:4
12867 loodgibbs-sr fr:./mineishi/text-depdata2.dat ns:5 ntx:5 ntxi:10:10 pmin:0.05 pth:.78
12867 loodgibbs-sr fr:./mineishi/text-depdata2.dat ns:5 ntx:5 ntxi:10:10 pmin:0.05 pth:.78
12868 #Vimex-1 response time steps=4.52=(4.00+4.20+4.00+4.60+5.80+)/5, (fp+FP)/All=(0+0)/25:12869 #Vimex-1 response time steps=4.52=(4.00+4.20+4.00+4.60+5.80+)/5, (fp+FP)/All=(0+0)/25:12869 #Vimex-1 response time steps=1.77:77:79 void:10:04 gibbs:1 mex:.1
12870 loodgibbs-er fn:./mineishi/text-depdata2.dat ns:5 ntxi:10:10 pmin:0.05 pth:.78
31:12 tdiap:3 abeta2. Phy:.77:77:79 void:10:04 gibbs:1 mex:.1
12871 #Vimex-1 response time steps=10c(10:00+10:00+10:00+10:00+1), (fp+FP)/All=(0+0)/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     pmin:0.05 pth:.94
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4 loo4gibbs-sr fn:..7mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:10 pmin:0.05 tdisp:3 bear12. PWT: 7: 7: 7: 7: 99 void:1:0.4 gibbs:1 mex:-1 5 #vlmex-1 response time steps=5.8=(5.2044.2045.40+6.60+7.60+)/5, (fp+FP)/All=(0+6 #text-independent,bayes=2ibbs:0 ith:10,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12864 #Vimex-1 response trees. //mineishi/rexr-depdata2.dat ns:5 ntx:5 ntxi:10:10 3:1:2 tdisp:2 beta:0.6 PWr:7:7:7:9:9 void:1 gibbs:0 mex-1 12864 #Vimex-1 response tree steps=10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12887 #vlmex2 response time steps=10=(10.00+10.00+10.00+10.00+10.00+)/5,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #vlmex3 response time steps=10=(10.00+10.00+10.00+10.00+10.00+10.00+)/5, #vlmex4 response time steps=10=(10.00+10.00+10.00+10.00+10.00+)/5,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                \text{#vlmex1} response time steps=10=(10.00+10.00+10.00+10.00+10.00+)/5,
(3) i<ith では認識判断しないようにした
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              bayes=gibbs:0,ith:4,unreg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    gibbs:0,ith:10
                                                                                                                                 gibbs:0,ith:4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12886
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12873
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

```
V
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ns:5 ntx:5 ntxi:10:10 pmin:0.05 pth:.94 ith:10 ts:4:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Err: IDm2s3t1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ith:10 ts:4:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            pth:.94 ith:10 ts:4:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ith:10 ts:4:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ts:4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     m==>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ith:4 ts:4:0:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Err:IDm2s3t1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | | |
                                          pth:.94 ith:4 ts:4:0:
                                                                                                                                                                                                                                                                                                              ith:4 ts:4:0:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (fp+FP)/All=(0+0)/25 Err:none
(fp+FP)/All=(0+0)/25 Err:none
(fp+FP)/All=(1+0)/25 Err:IDm5s0t4
                                                                                                                                                                                                                                                                                            12927 loo4gibbs-sr fn:./mineishi/fext-indepdate.dat ns:5 ntx:5 ntxi:10:10 pmin:0.05 pth:.94 ith:4 ts:4:31:2 tdisp:2 beta:0.6 pWr:.7:.7:7:99 void:1 glbbs-10 mex:0
13298 #rlmax0 response time steps=4.9e=(5.20+4.80+5.00+5.80+)/5, (fp+Fp)/All=(0+0)/25 Err:none
12929 #vlmex1 response time steps=5.2 = (4.60+4.20+4.60+5.20+7.40+)/5, (fp+Fp)/All=(1+0)/25 Err:IDm0slt3
                                    Err:none
Err:none
Err:none
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #v1mex0 response time steps=4.96=(5.2+4+4.8+5+4.75+)/5 (fp+FP)/All=(0+0)/25 Err:none #v1mex1 response time steps=5.2=(4.6+4.2+4.6+5.25+6.75+)/5 (fp+FP)/All=(1+0)/25 Err:IDm0s1t3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12276 [1]loo4gibbs-sr fn:./mineishi/text-indepdata.dat ns:5 ntxi:10:10 pmin:0.05 pth:.94 lth:4
.0.3:112 tdispiz beta:0.6 ppx:-77:77:77:77:09 void:1 glibbs:0 mex:-1
12977 #Vlmex-1 response time steps=5.04 (4.64.4.64.504.504.560+5.004.6.80+)5, (fp+FP)/All=(0+-1)/25 Exr:none 12977 #Vlmex-1 response time steps=5.04 (4.64.4.64.504.504.504.504.50)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  +5 +4.5 +5.5.7+)/5 (fp+PP)/All=(0+0)/25 Errinone
+5 +5.4+)/5 (fp+PP)/All=(0+0)/25 Errinone
+4.2 +6 +4.5+)/5 (fp+PP)/All=(1+0)/25 Errinone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12960 Errild= t0:2 t1:4, t2:1 t3:1, t4:6
12960 Errild= t0:2 t1:4, t2:1 t3:1, t4:6
12961 #text-independent.gibbs:1 ith:10, ureg
12962 #text-independent.gibbs:1 ith:10, ureg
12962 #text-independent.gibbs:1 ith:10, ureg
12963 #todsibbs=r fin.../minesibl/text-indepedata.dat nas:5 ntx:5 ntx::10:10 pmin:0.05 pth:.78 it
12963 #vlmex0 response time steps=10=(10.00+10.00+10.00+10.00+1), (fp-FP)/All=(0+0)/25 it
12965 #vlmex2 response time steps=10=(10.00+10.00+10.00+10.00+1), (fp-FP)/All=(0+0)/25 it
12966 #vlmex2 response time steps=10=(10.00+10.00+10.00+10.00+10.00+1), (fp-FP)/All=(0+0)/25 it
12966 #vlmex3 response time steps=10=(10.00+10.00+10.00+10.00+1), (fp-FP)/All=(0+0)/25 it
12966 #vlmex3 response time steps=10=(10.00+10.00+10.00+10.00+10.00+1), (fp-FP)/All=(0+0)/25 it
12966 #vlmex3 response time steps=10=(10.00+10.00+10.00+10.00+10.00+10.00+1), (fp-FP)/All=(0+0)/25 it
12966 #vlmex3 response time steps=10=(10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+10.00+1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12957 #vlmex2 response time steps=10=(10.00+10.00+10.00+10.00+10.00+)/5, (fp+FP)/All=(0+4)/25 IDm5s1t4 IDm1s2t2 IDm5s4t4?worst
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12958 \quad \text{\#vlmex3 response time steps} = 10 = (10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 1)/5, \quad (fp+FP)/All = (0+2)/25 + (10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.00 + 10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (fp+FP)/All=(0+3)/25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            pmin:0.05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IDM5s1t4 IDM1s2t2 IDm5s4t4
12971 loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:10
12972 loo4gibbs-1 PNr:.7:.7:.7:.7:.99 void:1:0.4 gibbs:1 mex:2
12972
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               \#v1mex4 response time steps=10=(10.00+10.00+10.00+10.00+10.00+)/5,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3:1:2 tdisp:4 beta:0.6 PNr:.7:.7:.7:.7:.99 void:1 gibbs:0 mex:2 12970 #vlmex2 response time steps=10=(10.00+10.00+10.00+10.00+
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4.72+4.08+4.72+5.2+6.2
                                                                                                                                                                                                                                                                    unreg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #Vimex2 response time steps=5.16=(4.6+ 4.2 - #Vimex3 response time steps=5.12=(4.6+ 4 - #Vimex4 response time steps=4.48=(4.6+ 4 -
                                                                                                                                                                                                                                                  #text-independent,bayes=gibbs:0 ith:4,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         print (5.2+4.6*4)/5-4.72

print (4*3+4.2*2)/5-4.08

print (4.8+4.6+5+5+4.2)/5-4.72

print (4.8+5.5+5.7)/5-4.72

print (5.8+7.4+6.8+4.6)/5-6.2

print (5.8+7.4+6.8+4.6)/5-6.2
ith:10,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ###dont beleve so much?? below
#text-independent,gibbs:1
                                                                                                                                                                                                                                                                                                                                                                                                                                             12929 #VIMEAN IESPOINS

=MEAN: I chisps; 3 == tagl

12930 #VIMEAN: Erspoins

12931 #VIMEAN: Erspoins

12932 #VIMEAN: Erspoins

12932 #VIMEAN: Erspoins

12933 #VIMEAN: Erspoins

12933 print (4.344, 247, 12935 print (4.344, 6.4)

12936 print (4.344, 6.4)

12936 print (4.344, 6.4)

12937 print (4.344, 6.4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                mex:1 tdisp:3 ==tag1
12981 #vlmex2 respo
12982 #vlmex3 respo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ex:4 tdisp:4 ==tag2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IDm5s4t4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IDm5s1t4 IDm2s3t1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IDm2s3t1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IDm5s4t4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                IDm5s4t4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12956
```

```
[2] Original Bayesian
           .sub9 loo4gibbs-sr f.:1:2 tdisp:4 beta:2. PI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #vlmex0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #vlmex1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  13122
13123
tdisp:4
13124
13125
                                                                                                                                                               13062
13064
13064
13065
13065
13066
13069
13069
13070
13070
13072
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               13107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13110
13111
13112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13103
13104
13105
13106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                13114
13115
13116
13117
13118
13118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13128
13129
13130
13131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3:1:2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1300 s Yunand Response time ergpes; 52=(4,5 +4.2 +4.2*6*4)/5, (EptP)/Alls(0+0//25 Errinone cemmers; td 130 spins are tagg above the respective to the respec
                               ../wineishi/text-depdata2.dat ns:5 ntx:5 ntxi:10:10 pmin:0.05 pth:.94 ith:4 ts:4:0:3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 <==mex:1
                                                                                                                                                                                                   Err:none
Err:none
Err:none
                                                                                                                                                                                                                                                                                                                                                                                                  12999 #vlmex0 response time steps=6.04=(5.2544.2 44.54-6.644)/5, (fp+Fp)/All=(0+0)/25 Err:none til2999 #vlmex1 response time steps=6.04=(5.44.2 44.54-6.644)/5, (fp+Fp)/All=(0+0)/25 Err:none til290 #vlmex1 response time steps=5.04=(5.44.74-4.75.44)/5, (fp+Fp)/All=(0+0)/25 Err:none til201 #vlmex2 response time steps=5.68=(5.2 44.6 +5.544.7544)/5, (fp+Fp)/All=(0+0)/25 Err:none 13002 #vlmex3 response time steps=5.76=(4.5 44.2 44.25+4.)/5, (fp+Fp)/All=(0+0)/25 Err:none cannot be appeared to the steps=5.52=(4.5 44.4 44.25+4.)/5, (fp+Fp)/All=(0+0)/25 Err:none cannot be appeared to the steps=5.52=(4.5 44.2 44.26+4.)/5, (fp+Fp)/All=(0+0)/25 Err:none cannot be appeared to the steps=5.52=(4.5 44.2 44.26+4.)/5, (fp+Fp)/All=(0+0)/25 Err:none cannot be appeared to the steps=6.52=(4.5 44.2 44.26+4.)/5, (fp+Fp)/All=(0+0)/25 Err:none cannot be appeared to the steps=6.52=(4.5 44.2 44.26+4.)/5, (fp+Fp)/All=(0+0)/25 Err:none cannot be appeared to the steps=6.52=(4.5 44.2 44.26+4.)/5, (fp+Fp)/All=(0+0)/25 Err:none cannot be appeared to the steps=6.52=(4.5 44.2 44.26+4.)/5, (fp+Fp)/All=(0+0)/25 Err:none cannot be appeared to the steps=6.52=(4.5 44.2 44.26+4.)/5, (fp+Fp)/All=(0+0)/25 Err:none cannot be appeared to the steps=6.52=(4.5 44.2 44.26+4.)/5, (fp+Fp)/All=(0+0)/25 Err:none cannot be appeared to the steps=6.52=(4.5 44.2 44.26+4.)/5, (fp+Fp)/All=(0+0)/25 Err:none cannot be appeared to the steps=6.52=(4.5 44.2 44.26+4.)/5, (fp+Fp)/All=(0+0)/25 Err:none cannot be appeared to the steps=6.52=(4.5 44.2 44.26+4.)/5, (fp+Fp)/All=(0+0)/25 Err:none cannot be appeared to the steps=6.52=(4.5 44.2 44.26+4.)/5, (fp+Fp)/All=(0+0)/25 Err:none cannot be appeared to the steps=6.52=(4.5 44.2 44.26+4.)/5, (fp+Fp)/All=(0+0)/25 Err:none cannot be appeared to the steps=6.52=(4.5 44.2 44.26+4.)/5, (fp+Fp)/All=(0+0)/25 Err:none cannot be appeared to the steps=6.52=(4.5 44.2 44.26+4.)/5, (fp+Fp)/All=(0+0)/25 Err:none cannot be appeared to the steps=6.52=(4.5 44.2 44.26+4.)/5, (fp+Fp)/All=(0+0)/25 Err:none cannot be appeared to the steps=6.52=(4.5 44.2 
                                                                                                                                                            loo4gibbs-sr fn:../mineishi/text-depdata2.dat ns:5 ntx:5 ntxi:10:10 pmin:0.05 pth:.94
.sp:2 beta:0.6 pw::7:7:7:7:7:99 void:1 gibbs:0 mex-1 pc.
#Vinex-1 response time steps-4:2=(4:00+4:00+4:40+4:60+)/5, (fp+FP)/All=(0+0)/25
4.72+ 4.08+4.72+4.99+5.5
                                                                      tdisp:
                                                                                                                                                                                                                                                                                                    12992
12993
12994
12995
12996
3:1:2
12997
```

pth:.78 ith:4 ts:4:0:3 pmin:0.05

readmecan2mspeech.txt

```
13072 Wrlmex2 mean response time steps=5,32 (Fp+FP)/All=(040)/25 Errinone
13073 Wrlmex3 mean response time steps=5,12 (Fp+FP)/All=(040)/25 Errinone
13073 Wrlmex3 mean response time steps=4,6 (Fp+FP)/All=(040)/25 Errinone
13075 Wrlmex3 mean time steps:(45,2404ct3)+4.8ct15-5.23ct26,75
13077 Wrlmex4 mean time steps:(45,46ct0)-4.2ct33-4.8ct15-5.23ct26,75
13078 Wrlmex3 mean time steps:(45,46ct0)-4.2ct33-4.8ct15-5.23ct26,75
13078 Wrlmex4 mean time steps:(45,46ct0)-4.2ct33-4.8ct15-5.23ct26,75
13081 Wrlmex4 mean time steps:(45,46ct0)-4.2ct33-4.8ct15-5.23ct26,75
13081 Wrlmex4 mean time steps:(45,46ct0)-4.2ct33-4.8ct15-5.25ct26,75
13081 Wrlmex3 mean time steps:(45,46ct0)-4.2ct33-4.8ct15-5.25ct26,75
13081 Wrlmex4 mean time steps:(45,46ct0)-4.2ct33-4.8ct15-6.25c.25c,75
13081 Wrlmex4 mean tesponse time steps=10 (Fp+FP)/All=(440)/25 Err:IDm531L1 IDm534L4
13085 Wrlmex4 mean response time steps=10 (Fp+FP)/All=(440)/25 Err:IDm531L1 IDm534L4
13086 Wrlmex4 mean response time steps=10 (Fp+FP)/All=(440)/25 Err:IDm531L1 IDm534L4
13086 Wrlmex4 mean response time steps=10 (Fp+FP)/All=(440)/25 Err:IDm531L0 IDm534L4
13087 Wrlmex4 mean response time steps=10 (Fp+FP)/All=(440)/25 Err:IDm531L0 IDm534L4
13087 Wrlmex4 mean response time steps=10 (Fp+FP)/All=(440)/25 Err:IDm531L0 IDm534L4
13087 Wrlmex4 mean response time steps=4.2 (Fp+FP)/All=(440)/25 Err:IDm631L4 IDm534L4
13089 Wrlmex4 mean response time steps=4.2 (Fp+FP)/All=(440)/25 Err:IDm631L4 IDm534L4
13099 Wrlmex4 mean response time steps=4.2 (Fp+FP)/All=(440)/25 Err:IDm631L4 IDm531L1
13091 Wrlmex4 mean response time steps=4.16 (Fp+FP)/All=(440)/25 Err:IDm6
13099 Wrlmex4 mean response time steps=4.16 (Fp+FP)/All=(440)/25 Frr:IDm6
13099 Wrlmex4 mean response time steps=4.16 (Fp+FP)/All=(440)/25 F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ith:4 ts:4:0:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       tdi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ith:4 ts:4:0:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              pth:.94 ts:4:0:3:1:2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #Vinex-1 mean response time steps=10 (Fp+fp)/All=(4+0)/25 Ezr:IDM5s0t0 IDM5s1t0 IDM3s1t4 IDM2s3t1 #Vinex0 mean response time steps=10 (Fp+fp)/All=(3+0)/25 Ezr:IDM5s1t0 IDM3s1t4 IDM2s3t1 #Vinex1 mean response time steps=10 (Fp+fp)/All=(3+0)/25 Ezr:IDM5s1t3 IDM3s1t4 IDM2s3t1 #Vinex2 mean response time steps=10 (Fp+fp)/All=(3+0)/25 Ezr:IDM5s1t0 IDM3s1t4 IDM2s2t2 #Vinex3 mean response time steps=10 (Fp+fp)/All=(3+0)/25 Ezr:IDM5s1t0 IDM2s3t1 #Vinex3 mean response time steps=10 (Fp+fp)/All=(3+0)/25 Ezr:IDM5s1t0 IDM2s3t1 IDM3s1t4 IDM2s3t1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       mex:2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       this; tag2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      pth:.94
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 pth: .94
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         <=== tag1
: <===use t]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IDm2s1t4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IDm2s1t4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              pmin:0.05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      pmin:0.05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 pmin:0.05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #vlmex0 mean response time steps=4.84 (Fp+fp)/All=(0+0)/25 Err:none #vlmex1 mean response time steps=4.84 (Fp+fp)/All=(0+2)/25 Err:IDm0s1t3 #vlmex2 mean response time steps=4.92 (Fp+fp)/All=(0+1)/25 Err:IDm1s2t2 #vlmex3 mean response time steps=4.56 (Fp+fp)/All=(0+1)/25 Err:IDm2s3t4 #vlmex3 mean response time steps=4.56 (Fp+fp)/All=(0+1)/25 Err:IDm2s3t4 #vlmex4 mean response time steps=4.6 (Fp+fp)/All=(0+1)/25 Err:none
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8 loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:10 pmil tdisgaf beta.0 6 pWr: 8 void:1 gibbs:0 mex.1 All=(0+0)/25 Err:none 9 #Vlmexvl mean response time stepsa4.72 (Pp+fp)/All=(0+0)/25 Err:none 1 #Vlmexvl mean response time stepsa= 8 (Fp+fp)/All=(0+0)/25 Err:none 1 #Vlmexl mean response time stepsa= 5 (Fp+fp)/All=(0+0)/25 Err:none 2 #Vlmexxl mean response time stepsa= 5 (Fp+fp)/All=(0+1)/25 Err:IDm2s14.2 #Vlmexx mean response time stepsa=5.2 (Fp+fp)/All=(1+0)/25 Err:IDm2s14.3 #Vlmexx mean response time stepsa=4.48 (Fp+fp)/All=(0+1)/25 Err:IDm3s14.5 Fph:1.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          response time steps=3.6 (Fp+Fp)/All=(0+0)/25 Err:none response time steps=3.56 (Fp+Fp)/All=(0+2)/25 Err:IDm0s1t3 response time steps=4.08 (Fp+Fp)/All=(1+0)/25 Err:IDm1s2t2 response time steps=3.52 (Fp+Fp)/All=(0+1)/25 Err:IDm2s3t4 response time steps=3.56 (Fp+Fp)/All=(0+1)/25 Err:none
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #vlmex2 mean response time steps=5.32 (Fp+fP)/All=(0+1)/25 Err:IDmls2t2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         response time steps=5.2 (Fp+fP)/All=(0+1)/25 Err:IDm0s1t3
#Vlmex4 mean response time steps=5.64 (Fp+fp)/All=(0+0)/25 Err:none loo6gibbs-sr fn:., "Amiesishi/text-depedata.dt nes; nxx:5 nxxi:10:10 fsipy.4 beta:2. Ppr://r:7:7:7:7:7:7:99 void:1:0.4 gibbs:1 mex:-1 #Vlmex-1 mean response time steps=4.52 (Fp+fp)/All=(0+0)/25 Err:none #Vlmex0 mean response time steps=4.6 (Fp+fp)/All=(0+0)/25 Err:none #Vlmex0 mean response time steps=4.6 (Fp+fp)/All=(0+0)/25 Err:none #Vlmex2 mean response time steps=4.52 (Fp+fp)/All=(0+0)/25 Err:none #Vlmex3 mean response time steps=4.52 (Fp+fp)/All=(0+0)/25 Err:none #Vlmex3 mean response time steps=4.52 (Fp+fp)/All=(0+0)/25 Err:none #Vlmex3 mean response time steps=4.24 (Fp+fp)/All=(0+0)/25 Err:none #Vlmex4 mean response time steps=4.24 (Fp+fp)/All=(0+0)/25 Err:none
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8 loo4gibbs-sr fn:../wineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:10 tdisp:3 beta:0.6 PNr:.7:.7:.7:.79 void:1 gibbs:0 mex:-1 9 #Vlmex-1 mean response time steps=5.04 (Fp+FP)/All=(0+0)/25 Err:none 0 #Vlmex0 mean response time steps=4.96 (Fp+FP)/All=(0+0)/25 Err:none
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntx:5 ntx:10:10 beta:0.6 PNr:.8 void:1 gibbs:0 mex:-1 #Vlmex-1 mean response time steps=3.52 (Fp+fP)/All=(0+0)/25 Erx:none
```

Dec 05 2019 13:52:41 readmecan2mspeech.txt

Page 210

13.23 #mean response time steps=3.76 (Fp+Fp)/All=(10+2)/25 vlmex4 Exr:IDm5s14
13.23 #mean response time steps=3.76 (Fp+Fp)/All=(0+1)/25 vlmex3 Exr:IDm5s34
13.24 #mean response time steps=3.5 (Fp+Fp)/All=(0+0)/25 vlmex4 Exr:IDm5s34
13.24 Index or sponse time steps=3.5 (Fp+Fp)/All=(0+0)/25 vlmex4 Exr:IDm5s34
13.24 Index or sponse time steps=3.5 (Fp+Fp)/All=(0+0)/25 vlmex4 Exr:IDm5s34
13.24 Index or sponse time steps=3.5 (Fp+Fp)/All=(0+0)/25 vlmex4 Exr:IDm5s34
13.24 Index or sponse time steps=3.5 (Fp+Fp)/All=(0+0)/25 vlmex4 Exr:IDm5s34
13.24 Index or sponse time steps=3.5 (Fp+Fp)/All=(0+0)/25 vlmex4
13.24 Index or sponse time steps=3.5 (Fp+Fp)/All=(0+0)/25 vlmex4
13.24 Vlmlatla?1:16 1:49 1:48 0:36 1:41 1:43 1:43 0:39 0:35 1:36 0:34 <==mex; 0 // coment-out L242 If(s==mex) continue//do not use speech s=mex(void).//check ==use this from 13.24 Vlmlatla?1:16 0:16 0:16 0:16 0:10 ultmue//do not use speech s=mex(void).//check ==use this from pmin:0.05 pth:.3 ts:4:0:3:1:2 t pth:.94 ts:4:0:3:1:2 t 13248 mex:1 v1 m2s1t4^2:16 0:16 0:16 1:30 0:26 1:33 1:38 1:41 v1 m5s1t4^2:16 1:44 1:44 0:26 1:30 0:22 0:1 loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:10 pmin:0.05 pth:.94 ts:4:0:3:1:2 beta:0.6 PNr:.8 void:1 gibbs:0 mex:-1 #mean response time steps=3.48 (Fp+fp)/All=(0+0)/25 vlmex-1 Err: ts:4:0:3:1:2 pth:.94 ts:4:0:3:1:2 pth: .99 IDm1s2t2 IDm2s1t4 IDm2s1t4 | beta:0.6 ppr:8 void:1 gibbs:0 mex:-1 | Lov4gaDbs-2 k void:1 gibbs:0 mex:-1 | Lov4gaDbs-2 k fn:./mineishi/text-indepdata.dat ns:5 nxt:5 nxx:10:10 pmin:0.05 | beta:0.6 ppr:8:8:8:8:99:99 void:1 gibbs:0 mex:1 | heta:0.6 ppr:8:8:8:8:99:99 void:1 gibbs:0 mex:1 | mean response time steps-4.56 (Fp+FP)/All=(1+0)/25 vlmex-1 Exr:IDm5slt3 | mean response time steps-4.76 (Fp+FP)/All=(1+0)/25 vlmex Exr:IDm5slt3 | mean response time steps-4.76 (Fp+FP)/All=(0+0)/25 vlmex Exr:IDm5slt3 lmnsx response time steps-4.76 (Fp+FP)/All=(1+0)/25 vlmex Exr:IDm5slt3 lmnsx response time steps-4.72 (Fp+FP)/All=(1+0)/25 vlmex Exr:IDm5slt3 lmnsx response time steps-4.72 (Fp+FP)/All=(1+0)/25 vlmex Exr:IDm5slt3 lmnsx response time steps-4.28 (Fp+FP)/All=(1+0)/25 vlmex Exr:IDm5slt3 pmin:0.05 pmin:0.05 #mean response time steps=3.4 (Pp+fP)/All=(0+0)/25 vulmexO Brr: then response time steps=3.5 (Pp+fP)/All=(0+2)/25 vulmexD Brr: IDM0s1E3 : #mean response time steps=3.54 (Pp+fP)/All=(0+1)/25 vulmex2 Err: IDM0s1E3 : #mean response time steps=3.44 (Pp+fP)/All=(0+1)/25 vulmex3 Err: IDM0s3E4 # R PM1C # PM2 * PM2 #mean response time steps=3.4 (Fp+fp)/All=(0+0)/25 vlmex0 Err: #mean response time steps=3.48 (Fp+fp)/All=(0+2)/25 vlmex1 Err:IDm0slt3 #mean response time steps=3.76 (Fp+fp)/All=(1+0)/25 vlmex2 Err:IDm1s2t3 #mean response time steps=3.28 (Fp+fp)/All=(0+1)/25 vlmex3 Err:IDm2s3t4 #mean response time steps=3.52 (Fp+fp)/All=(0+1)/25 vlmex4 Err: 13.10 #mean response time steps=3.4 (Pp.FP)/All=(0+0)/25 vimex1 Exr.
13.11 #mean response time steps=3.4 (Pp.FP)/All=(0+0)/25 vimex0 Exr.
13.12 #mean response time steps=3.5 (Pp+FP)/All=(0+0)/25 vimex1 Exr.IDm0s1t
13.12 #mean response time steps=3.54 (Pp.FP)/All=(0+1)/25 vimex2 Exr.IDm0s1t
13.13 #mean response time steps=3.44 (Pp.FP)/All=(0+1)/25 vimex3 Exr.IDm0s1t
13.13 #mean response time steps=3.54 (Pp.FP)/All=(0+1)/25 vimex4 Err.
13.13 10.04gibbs-sr fin../minelshi/text-indepdata.dat ns:5 ntx:5 ntx:10:10 p
13.13 mean response time steps=4.56 (Pp.FP)/All=(1+0)/25 vimex4 Err.IDm5s1
13.13 #mean response time steps=4.76 (Pp.FP)/All=(1+0)/25 vimex3 Err.IDm5s1
13.13 #mean response time steps=5.08 (Pp.FP)/All=(1+0)/25 vimex4 Err.IDm5s1
13.13 #mean response time steps=5.08 (Pp.FP)/All=(1+0)/25 vimex4 Err.IDm5s1
13.13 #mean response time steps=4.76 (Pp.FP)/All=(1+0)/25 vimex4 Err.IDm5s1
13.13 #mean response time steps=4.78 (Pp.FP)/All=(1+0)/25 vimex4 Err.IDm5s1
13.14 #mean response time steps=4.88 (Pp.FP)/All=(1+0)/25 vimex4 Err.IDm5s1
13.11 #m 13204 #mean response time steps=8.92 (Fp+fP)/All=(0+0)/25 vlmex-1 Err:
13205 #mean response time steps=8.6 (Fp+fP)/All=(0+0)/25 vlmex0 Err:
13206 #mean response time steps=9.28 (Fp+fP)/All=(0+0)/25 vlmex1 Err:
13207 #mean response time steps=8.92 (Fp+fP)/All=(0+0)/25 vlmex2 Err:
13208 #mean response time steps=8.92 (Fp+fP)/All=(0+0)/25 vlmex2 Err:
13209 #mean response time steps=8.92 (Fp+fP)/All=(0+0)/25 vlmex4 Err:
13210 #mean response time steps=8.92 (Fp+fP)/All=(0+0)/25 vlmex4 Err:
13210 #mean response time steps=8.92 (Fp+fP)/All=(0+0)/25 vlmex4 Err:
13211 limean response time steps=8.2 (Fp+fP)/All=(0+0)/25 vlmex1 Err:
13211 #mean response time steps=8.2 (Fp+fP)/All=(0+0)/25 vlmex-1 Err: loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:7 now 2012.06.06 tdisp:4 13216 13214 13235 13236

readmecan2mspeech.txt

pth:.7 ts:4:0:3:1:2

pmin:0.05

ntxi:10:7

```
13357 loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntxi:10:7 pmin:0.05 pth:.7 ts:4:0:3:1:2 td dispt becar. 6 Par:8 void:1 glabbs:1 max:-1
13354 becar.6 Par:8 void:0 plbbs:1 mex:-1
13359 loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntxi: ntxi:10:7 pmin:0.05 pth:.96 ts:4:0:3:1:2 t dispt 4 beta:0.6 PNr:.8 void:0 plbbs:0 mex:-1
13360 loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntxi: ntxi:10:7 pmin:0.05 pth:.96 ts:4:0:3:1:2 t dispt 4 beta:0 loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntxi: 5 ntxi:10:7 pmin:0.05 pth:.96 ts:4:0:3:1:2 t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   disp:4 beta:0.6 PNr:8 void:1 gibbs:0 mex.-1
3361 loadgibbs-rr fn:./mineishi/text-indepdata.dat ns:5 ntx:110:7 pmin:0.05 pth:.98 ts:4:0:3:1:2 t
disp:4 beta:0.6 PNr:5 void:0 gibbs:0 mex:-1
13362 loadgibbs-sr fn:./mineishi/text-indepdata.dat ns:5 ntx:5 ntx:10:7 pmin:0.05 pth:.97 ts:4:0:3:1:2 t
disp:4 beta:0.6 PNr:.5 void:0 gibbs:0 mex:-1
13363 loadgibbs-sr fn:./mineishi/text-indepdata.dat ns:5 ntx:5 ntx:10:7 pmin:0.05 pth:.8 ts:4:0:3:1:2 td
isp:4 beta:.6 PNr:.8 void:0 gibbs:1 mex:-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13371 #vlmex0:Case21 Identification Error(FP+fP)/Total:0.000(0+0)/5;0.000(0+0)/5;0.000(0+0)/5;0.200(1+0)/5;0.200(1+0)/5;0.200(1+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+0)/5;10.000(0+
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 13353
13354 loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntxi: ntxi:10:7 pmin:0.05 pth:.6 ts:4:0:3:1:2 td
1sp:4 beta:.6 PNr:.8 void:0 gibbs:1 mex:-1
13355 #mean response time steps=4.84 (Fp+fP)/All=(0+0)/25 vlmex-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  13364 loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:7 pmin:0.05 pth:.7 ts:4:0:3:1:2 td
isp:4 beta:.6 PNr:.8 void:1 gibbs:1 mex:-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13368 loo4glbbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:10 pmin:0.05 pth:.97 ts:4:0:3:1:2 void:1 gibbs:1 mex:4 tdisp:4 beta:0.6 PNr:.9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntxi:10:10 pmin:0.05 pth:.97
13343 #mean response time steps=4.84 (Fp+fp)/All=(0+1)/25 vOmex3
13344 #mean response time steps=5.44 (Fp+fp)/All=(0+1)/25 vOmex4
13345 loo4plbs-sr fn:../mineishi/text-indepdata.dat ns:5 nx:5 n
13346 #mean response time steps=5.8 (Fp+fp)/All=(0+0)/25 vImex-1
13347 #mean response time steps=5.8 (Fp+fp)/All=(1+0)/25 vImex-1
13349 #mean response time steps=6.04 (Fp+fp)/All=(1+0)/25 vImex-1
13349 #mean response time steps=6.04 (Fp+fp)/All=(1+0)/25 vImex-1
13350 #mean response time steps=6.04 (Fp+fp)/All=(1+0)/25 vImex-1
13350 #mean response time steps=6.04 (Fp+fp)/All=(1+0)/25 vImex-1
13351 #mean response time steps=6.04 (Fp+fp)/All=(1+1)/25 vImex-1
13351 #mean response vImex-1
13361 #mean response vImex-1
13362 #mean response vImex-1
13363 #mean response vImex-1
13363 #mean response vImex-1
13364 #mean response vImex-1
13365 #mean response vImex-1
13366 #mean response vImex-1
13367 #mean response vImex-1
13367 #mean response vImex-1
13368 #mean response vImex-1
13368 #mean response vImex-1
13368 #mean response vImex-1
13370 #mean response vImex-1
13370 #mean response vImex-1
13370 #mean response vImex-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13379 1004g1bbb=sr fin../minelshi/kexv-indepdata.dat ns:
void:1 g1bbs:1 mext; 4 cdiep; 4 beta:0.c pWr: 19.0
13380 Err:Case21:(3 1-L1> ID(5):1=s(1), mex0
13381 Err:Case21:(4 1-t2> ID(2):1=s(1), mex0
13382 Err:Case21:(4 1-t2> ID(2):1=s(1), mex0
13382 Err:Case21:(4 1-t2> ID(2):1=s(1), mex0
13383 Err:Case21:(1 1-t0> ID(1):1=s(1), mex0
13384 Err:Case21:(1 1-t0> ID(1):1=s(1), mex0
13385 Err:Case21:(3 1-t2> ID(1):1=s(1), mex0
13386 Err:Case21:(3 1-t2> ID(4):1=s(1), mex0
13387 Err:Case21:(4 1-t2> ID(4):1=s(1), mex1
13389 Err:Case21:(3 1-t2> ID(4):1=s(1), mex1
13389 Err:Case21:(3 1-t2> ID(4):1=s(1), mex1
13389 Err:Case21:(3 1-t2> ID(4):1=s(1), mex1
13389 Irr:Case21:(3 1-t2> ID(1):1=s(1), mex1
13390 Irr:Case21:(3 1-t2> ID(1):1=s(1), mex1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       void:1 gibbs:1 mex:4 tdisp:4 beta:0.6 PNr:.95
13375 Err:Case21:(31-ct.) - ID(5):=s(1),mex0
13376 Err:Case21:(41-ct.) - ID(5):=s(1),mex1
13377 Err:Case21:(31-ct.) - ID(5):=s(1),mex2
13378 Err:Case21:(31-ct.) - ID(5):=s(1),mex3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Err:Case21:[4]<t2> ID(2):=ns(5),mex1
Err:Case21:[2]<t3> ID(1):=ns(5),mex2
Err:Case21:[3]<t1> ID(3):=ns(5),mex2
Err:Case21:[1]<t0> ID(2):=ns(5),mex3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Err:Case21:[3]<t1> ID(0)!=ns(5),mex1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ## donot belive below
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13366
13367
13368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13375
13376
13377
13378
13379
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13402
13403
13404
13405
13406
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               13374
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13365
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                13320 [1'] loo4gibbs-sr fn:../mineishi/text-depdata2.dat ns:5 ntxi:10:7 pmin:0.05 pth:.94 ts:4:0:3:1
12.2 tdisps' 4 beta:0.6 PNT:.8 void:0 gibbs:0 mex:-1
13321 #mean response time steps=1.8 (Fp+Fp)/All=(0+0)/25 v0mex-1
13322 #mean response time steps=2.96 (Fp+Fp)/All=(0+0)/25 v0mex-1
13323 #mean response time steps=2.96 (Fp+Fp)/All=(0+0)/25 v0mex-1
13324 #mean response time steps=2.96 (Fp+Fp)/All=(0+0)/25 v0mex-1
13325 #mean response time steps=2.96 (Fp+Fp)/All=(0+0)/25 v0mex-1
13325 #mean response time steps=2.96 (Fp+Fp)/All=(0+0)/25 v0mex-1
13326 #mean response time steps=2.56 (Fp+Fp)/All=(0+0)/25 v0mex-1
13328 #mean response time steps=5.08 (Fp+Fp)/All=(0+0)/25 v0mex-1
13329 #mean response time steps=5.08 (Fp-Fp)/All=(0+0)/25 v0mex-1
13329 #mean response time steps=5.08 (Fp-Fp)/All=(0+0)/25 v0mex-1
13329 #mean response time steps=5.08 (Fp-Fp)/All=(0+0)/25 v0mex-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13301 #mean response time steps=3.28 (Fp+fP)/All=(0+0)/25 v0mex-1
13302 #mean response time steps=3.68 (Fp+fP)/All=(0+0)/25 v0mex-1
13303 #mean response time steps=3.8 (Fp+fP)/All=(0+2)/25 v0mex0
13304 #mean response time steps=3.8 (Fp+fP)/All=(0+2)/25 v0mex2
13304 #mean response time steps=3.72 (Fp+fP)/All=(0+2)/25 v0mex2
13305 #mean response time steps=4 (Fp+fP)/All=(0+2)/25 v0mex2
13307 [21]codgibbs=sr fin...,mineishl/cext-indepdata.dat ns:5 ntx:5 ntxi:10:7 pmin:0.05 pth:.96 ts:4:0:3:1:
13309 #mean response time steps=7 (Fp+fP)/All=(0+2)/25 v0mex4
2 tdisp+4 beta-0.6 PMT: 8 void:0 gibbs:0 mex-1 response time steps=7 (Fp+fP)/All=(0+2)/25 v0mex4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13309 #mean response time steps=7 (Pp+fP)/All=(0+0)/25 v0mex1

13310 #mean response time steps=7 (Pp+fP)/All=(0+0)/25 v0mex2

13311 #mean response time steps=7 (Pp+fP)/All=(0+0)/25 v0mex3

13312 #mean response time steps=7 (Pp+fP)/All=(0+0)/25 v0mex4

13313 #mean response time steps=7 (Pp+fP)/All=(0+0)/25 v0mex4

13313 #mean response time steps=7 (Pp+fP)/All=(0+0)/25 v0mex1

13314 #mean response time steps=6.78 (Pp+fP)/All=(0+0)/25 v0mex1

13314 #mean response time steps=6.78 (Pp+fP)/All=(0+0)/25 v0mex1

13315 #mean response time steps=6.78 (Pp+fP)/All=(0+0)/25 v0mex2

13316 #mean response time steps=6.78 (Pp+fP)/All=(0+0)/25 v0mex3

13318 #mean response time steps=6.78 (Pp+fP)/All=(0+0)/25 v0mex3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 tdisp:4 beta:0.6 PNr:.8 void:0 gibbs:0 mex:-1
13300 (Cf.ICONIP2011? loo4bayes-sr fn:../mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:7 pmin:0.05 pth:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13308 #mean response time steps=7 (Fp+fp)/All=(1+0)/25 vOmex-1 ==>m4slt3 ==> vO*mlslt3^1:20 1:73 1:92 0:60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            [1]loo4gibbs-sr fn:../wineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:7 pwin:0.05 pth:.94 ts:4:0:3:1:
                                                                1377 #mean response time steps=7.6 (Pp+FP)/All=(H-V)/25 vimex2 Brr: mass14
1377 #mean response time steps=7.8 (Fp+FP)/All=(H-V)/25 vimex3 Brr: mass14
1377 #mean response time steps=8.56 (Fp+FP)/All=(H-V)/25 vimex3 Brr: mass14
13280 #mean response time steps=10 (Fp+FP)/All=(H-V)/25 vimex3 Brr: mass14
13281 vimas1442:16 0:08 0:14 1:28 0:25 1:32 1:37 1:40 1:42 0:39 0:36>vi m5s1t4^2:16 0:05 1:19 0:15
13281 vimas1442:16 0:08 0:14 1:28 0:25 1:32 1:37 1:40 1:42 0:39 0:36>vi m5s1t4^2:16 0:05 1:19 0:15
13282 #mean response time steps=10 (Fp+FP)/All=(H-V)/25 vimex3 Brr: m2344
13284 loadqibbs=8.7 fm:.., mineishib/text-indepdata.dat ns:5 ntx: 10:10 pmin:0.05 pth:.8 ts:4:0:3:1:2
13285 #mean response time steps=10 (Fp+FP)/All=(H-V)/25 vimex0 Brr:
13286 #mean response time steps=10 (Fp+FP)/All=(H-V)/25 vimex0 Brr:
13288 #mean response time steps=10 (Fp+FP)/All=(H-V)/25 vimex0 Brr:
13288 #mean response time steps=10 (Fp+FP)/All=(H-V)/25 vimex0 Brr:
13289 #mean response time steps=10 (Fp+FP)/All=(H-V)/25 vimex3 Brr:
13289 #mean response time steps=10 (Fp+FP)/All=(H-V)/25 vimex3 Brr:
13289 #mean response time steps=10 (Fp+FP)/All=(H-V)/25 vimex3 Brr:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    最後に最大値で織別するようにすると, [2]の誤識別が起こる. (ntxi : 10:8にするとok?)[3]のGipbsではうまく
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2012:06.04-7
以下の[11] [21] [31] 編別しきい福に治されて、職別できるが、1 人ずの際くと誤認識する.そにでしきい値を
・[1]のペイズでは、観別しきい値に塗すると全て護別できるが、1 人ずの際くと誤認識する.そにでしきい値を
                steps=7.48 (Fp+fP)/All=(0+1)/25 vlmex1 Err:m0s1t4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #mean response time steps=5.08 (\mathrm{Fp}+\mathrm{Fp})/All=(0+0)/25 v0mex-1 #mean response time steps=5.8 (\mathrm{Fp}+\mathrm{Fp})/All=(0+0)/25 v0mex-1 #mean response time steps=4.04 (\mathrm{Fp}+\mathrm{Fp})/All=(0+0)/25 v0mex-1 #mean response time steps=6.04 (\mathrm{Fp}+\mathrm{Fp})/All=(0+0)/25 v0mex-1 #mean response time steps=6.04 (\mathrm{Fp}+\mathrm{Fp})/All=(0+0)/25 v0mex-1 #mean response time steps=4.6 (\mathrm{Fp}+\mathrm{Fp})/4 #mean response time steps=4.6 (\mathrm{Fp}+\mathrm{Fp})/4 #mean 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    bag of loo4gibbs-sr for void:0
                        time
                        #mean response
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13296 ・[
大きくして
13297 最
いっている.
13298 ba
```

ts:4:0:3:1:2

ts:4:0:3:1:2

pth: .97

pmin:0.05

ns:5 ntx:5 ntxi:10:10

pmin:0.05

ns:5 ntx:5 ntxi:10:10

ts:4:0:3: ts:4:0:3:1:2 ts:4:0:3:1:2 ts:4:0:3:1:2 ts:4:0:3:1:2 ts:4:0:3:1:2 ts:4:0:3:1:2 13439 loo4gibbs-sr fn:./wineishi/text-indepdata.dat ns:5 ntxi:10:10 pmin:0.05 pth:.97 ts::
0.00id1 gibbs11 mext 4 tdisp: 4 beta:0.6 PNr::5
13440 Err:case21:[3]<t-1> ID(5)|=ss(1), mexd
13441 Err:case21:[4]<t-2> ID(2)|=ns(5), mexd
13442 Err:case21:[4]<t-2> ID(1)|=ns(5), mexd
13443 Err:case21:[4]<t-2> ID(1)|=ns(5), mexd
13444 Err:case21:[4]<t-2> ID(2)|=ns(5), mexd
1344 Err:case21:[4]<t-2> ID(2)|=ns(5)|=ns(5), mexd
1344 Err:case21:[4]<t-2> ID(2)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)|=ns(5)| loo4gibbs-ar fn:../mineishi/text-indepdata.dat ns:5 ntxi:10:10 pmin:0.05 pth:.97 glbbs:lmcxi diagsi4 beta-6 ppir:.5 glbbs:lmcxi diagsi4 beta-6 ppir:.5 Err:Case21:[3]<tl>
Err:Case21:[3]<tl>
Err:Case21:[4]<tl>
Err:Case21:[4]<tl>
Err:Case21:[4]<tl>
Err:Case21:[5]<tl>
Err:Case21:[5]
Err:Case21:[5]</t loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:10 pmin:0.05 pth:.97 gibbs:1 mex:4 tdisp:4 beta:0.6 PNr:.6 pth: .97 pth:.97 pth: .97 ntx:5 ntxi:10:10 pmin:0.05 ntx:5 ntxi:10:10 pmin:0.05 pmin:0.05 ntx:5 ntxi:10:10 ns:5 Err:Case21:[3]<tl> ID(5)!=s(1),mex0

Err:Case21:[4]<tl> ID(2)!=ns(5),mex1

Err:Case21:[3]<tl> ID(1)!=ns(5),mex2

Err:Case21:[4]<tl> ID(2)!=ns(5),mex3

loo4gibbs-sr fin:./mineishi/text-indepdata.dat ns:5 ns:5 loo4gibbs-sr fn:./mineishi/text-indepdata.dat gibbs:1 mex:4 tdisp:4 beta:0.6 PNr:.7 fn:../mineishi/text-indepdata.dat void:2 gibbs:1 mex:-1 tdisp:4 beta:0.6 PNr:.8
13433 Err:Case211:[3]*cLb > 1D(5)!=s(1),mex0
13434 Err:Case21:[3]*cLb > 1D(5)!=s(1),mex0
13435 Err:Case21:[4]*cLb > 1D(2)!=ns(5),mex1
13436 Err:Case21:[2]*cLb > 1D(5)!=s(1),mex3
13437 Err:Case21:[2]*cLb > 1D(5)!=s(1),mex3 ID(2)!=ns(5),mex3
ID(2)!=ns(5),mex3
ID(1)!=ns(5),mex4 Err:Case21:[3]<tl>tLF:Case21:[3]<tl>tLF:Case21:[3]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[3]<tl>tLF:Case21:[3]<tl>tLF:Case21:[3]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[4]<tl>tLF:Case21:[gibbs:1 mex:4 tdisp:4 beta:0.6 PNr:.8 Err:Case21:[3]ctl5 ID(5)!=s(1),mex0

Err:Case21:[4]ct25 ID(2)!=ns(5),mex1

Err:Case21:[4]ct25 ID(1)!=ns(5),mex2

Err:Case21:[4]ct25 ID(1)!=ns(5),mex2 Err:Case21:[3]<t1> Err:Case21:[4]<t2> loo4gibbs-sr 13416 void:1 13417 13418 13419 13420 13421 void:1 13422 13427 13428 13429 13430 13423 13424 13425 13426 void:1

loo4gibbs-sr fn:../mineishi/text-depdata2.dat ns:5 ntxi:10:10 pmin:0.05 pth:.95:.95:.95:.95:.9 13450 13448 13449

5 ts:4:0:3:1:2 void:2 gibbs:0 mex:-1 tdisp:4 beta:.7 PNr:.3
13451 loo4gibbs-gr fn:.,/mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:10 pmin:0.05 pth:.95:.95:.95:.95:
95 ts:4:0:3:1:2 void:2 gibbs:0 mex:-1 tdisp:4 beta:.7 PNr:.3
13452 2012.02.22 13454

13455 loo4gibbs-sr fn:./mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:5 pmin:0.05 pth:.54:.6:.75:.58 ts:410:3:112 tdisps.4 void:2 beta:.5 PNr:.4 mex:-1
13456 #v2mex-1:case21 Identification Exror(FP+fP)/Total:0.000(0+0)/5;0.00 0.000((0+0)/5;==(1+0)/25 13460 #v2mex3:Case21 Identification Error(FP+fP)/Total:0.000(0+0)/5:0.000(0+0)/5:0.000(0+0)/5:0.200(1+0)/5 10.200(1+0)/5;==(2+0)/25 13461 #v2mex4:Case21 Identification Error(FP+fP)/Total:0.000(0+0)/5:0.000(0+0)/5:0.000(0+0)/5:0.200(1+0)/5 13458 #v2mex1:Case21 Identification Error(FP+fP)/Total:0.000(0+0)/5;0.000(0+0)/5;0.000(0+0)/5;0.200(1+0)/5 13459 #v2mex2:Case21 Identification Error(FP+fP)/Total:0.000(0+0)/5:0.000(0+0)/5:0.000(0+0)/5:0.200(1+0)/5 :0.000(0+0)/5;==>(1+0)/25

pmin:0.05 pth:.54:.6:.6:.84:.7 1 ts:4:0:3:1:2 tdisp:4 void:0 beta:.7 PNr:.3 mex:-1
14464 #Vomex=1:Case21 Identification Error(FP+fP)/Total:0.000(0+0)/5;0.000(0+0)/5;0.000(0+0)/5
5:0.000(0+0)/5:==>(0+0)/28 13463 loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:10 #void:0

13466 2012.02.20 13467 (1)認識率の計算を修正した? 13468 ###[1] 例 text-independent by gibbs 13489 loo4gibbs-ser fm:./mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:10 pmin:0.05 pth:.54:.6:.6:.81:.7 1 ts:4:00:3:11.2 tdisp:4 void:2 beta:.7 PNF:.3 mex-7 PNF:.3 mex-7

readmecan2mspeech.txt Dec 05 2019 13:52:41

Page 214

Identification Error(FP+fP)/Total:0.000(0+0)/5;0.000(0+0)/5;0.000(0+0)/5;0.000(0+0) 0)/5;0.000(0+0)/5;==>(0+0)/25

)/5:0.200(1+0)/5;==>(2+0)/25 13473 #NG#v2mex2:Case21 Identification Error(FP+fP)/Total:0.200(1+0)/5:0.000(0+0)/5:0.200(1+0)/5:0.000(0+0 #NG#v2mex1:Case21 Identification Error(FP+fP)/Tota1:0.000(0+0)/5;0.000(0+0)/5;0.000(0+0)/5;0.200(1+0)/5;0.000(

)/5:0.200(1+0)/5:==>(3+0)/25 13474 #NG#v2mex3:Case21 Identification Error(FP+fP)/Total:0.000(0+0)/5:0.000(0+0)/5:0.200(0+0)/5:0.200(1+0)/5:0.200(1+0)/5:==>(2+0)/25 13475 #OK#v2mex4:Case21 Identification Exror(FP+fP)/Total:0.000(0+0)/5:0.000(0+0)/5:0.000(0+0)/5:0.000(0+0)

)/5;0.000(0+0)/5;==>(0+0)/25 13476 ###121 M text-independent by bayes 13477 loo4gibbs-sr fn:.,mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:7 pmin:0.05 pth:0.98:0.98:0.98:0. 198:0.96 ts:4:0131:12 tdisp:4 void:2 gibbs:0 PNr: 3 mex:-1 13478 #@kykzwex-1:Case21 Identification Error(FP+FP)/Total:0.000(0+0)/5;0.000(0+0)/5;0.000(0+0)/5:==(0+0)/25

)/5;0.400(1+1)/5;==>(2+1)/25 13480 #Nd#vZmex1:case21 Identification Error(FP+FP)/Total:0.000(0+0)/5;0.000(0+0)/5;0.000(0+0)/5;0.000(1+1)/5;=>(2+2)/25 1)/5;0.400(1+1)/5;==>(2+2)/25 13481 #Nd#vZmex2:case21 Identification Error(FP+FP)/Total:0.400(1+1)/5;0.000(0+0)/5;0.200(1+0)/5;0 13479 #NG#v2mex0:Case21 Identification Error(FP+fP)/Total:0.000(0+0)/5:0.000(0+0)/5:0.200(1+0)/5:0.000(0+0)

13482 #NG#v2mex3:Case21 Identification Error(FP+fP)/Total:0.200(1+0)/5:0.000(0+0)/5:0.000(0+0)/5:0.400(1+1

)/5:0_400(1+1)/5:==>(3+2)/25 13483 #NG#v2mex4:Case21 Identification Error(FP+fP)/Total:0.000(0+0)/5:0.000(0+0)/5:0.000(0+0)/5:0.400(1+1 pmin:0.05 pth:.54:.6:.6:.81:.71 ns:5 ntx:5 ntxi:10:10 13485 loo4qibbs-sr fn: __mineishi/rext-depdata2.dat ts:4:0:3:1:2 tdisp:4 void:2 beta:.7 PNr:.3 mex:-1 13486 ###[4] [M] text-dependent by bayes

Identification Error(FP+fP)/Total:0.000(0+0)/5;0.000(0+0)/5;0.000(0+0)/5;0.000(0+0 #NG#v2mex4:Case21 Identification Error(FP+fP)/Total:0.000(0+0)/5:0.000(0+0)/5:0.200(1+0)/5:0.000(0+0 pmin:0.05 13487 loc4gibbs-sr fn. vinhiesiahl/text-depdata2.dat ns:5 ntx:5.10:10:10:3487 loc4gibbs-sr fn. vinhiesiahl/text-depdata2.dat ns:5 ntx:5 ntx:10:7.13:13:8 HSGWPACMA2C:case21 Identification Error(FP+FP)/Total:0.000/nun.case21 Identification Error(FP+FP)/Total:0.00

)/5;0.000(0+0)/5;==>(1+0)/25 13490

PNF: <alpha> CANZの出力yの正例で対する平均ymeanPと負例に対する平均ymeanNに対し CANZの1と -1を判定するしきい値yth[m][t]を、 yth[m][t]=alpha*ymeanP[m][t]+(1-alpha)*ymeanN[m][t]; オプションntxi:<ntxi>:<ntxi>の、<ntxi>はデータファイル中の各テキストに対するデータの個数、<ntxi>はCase1とCase2の認識打切ステップ数. (1) Journal of the same of t 2012.02.15 (1) オプションPNr:<alpha>を追加 2012.02.15a 前) 才八 13495 13496 13497 13492 13493 13499 13499 13500 13501 13502 13504 13504 13506 13506 13507 13508 13491

(2) できるだけ速く間違いの無い話者識別法として,まず,Casel でFP(False Positive; 間違って 1を出して識別する)を無ぐす。なるCaselではFP(True Positive; 正人?を出すが,指定 ステップ数までに識別できないこととなる。そこで後者の場合,認識打切ステップ数へntxixにおいて Case2で識別することをする。これにより,より速く間違いのない話者識別ができる。すると, 10o4gibbs-sr ではわけ,Derty Pprを調整してmex:1,mex:0,mex:1,mex:2,mex:3,mex:4に対して実現できたが, 10o4bayse-sr ではわれ,Prrを調整してもまだできている。mex:1,mex:2,mex:3,mex:4に対して実現できたが, 出り割:初めからCase2だけを考えればいいのでは?い、や、Case2だけでは遅い;ステップ数を計算せよ) 13510

pth:.54:.6:.6:.75:.58 pth:0.98:0.98:0.98:0. 13512 ###[1] [M] OK for text-independent by gibbs for all mex:-1,mex:0,mex:1,mex:2,mex:3,n
13513 loodgibbs-ser fin:./mindesishl/text-indepedata.dat ns:5 ntx:5 ntx::10:5 pmin:0.05 pth
15314 ###[2] [M] NG for text-independent by bayes for all mex:-1,mex:0,mex:1,mex:2,mex:3,n
13515 loodbayes-ser fin:./minesishl/text-indepdata.dat ns:5 ntx:5 ntx::10:7 pmin:0.05 pth
18:0.96 tes:4:0:31:12 tdisp:4 void:2 PNT::3 mex:-1
13516 loodbayes-ser fin:./minesishl/text-indepdata.dat ns:5 ntx:5 ntx::10:7 pmin:0.05 pth

2012.02.14 (1) ギブス分布を使う話者識別プログラム(1004gibbs-sr.c)を作成し,単純ペイズを使う話者識別プログラム (loo4bayes-sr.c) 13519 も同 13517

###############

98:0.96 13516

(2) text-indepdata.datに対し,loo4gipbs-sr でvoid:2を使って,mex:-1で識別率100%,mex:4で1個間違いとで text-indepdata.datに対し,loo4bayes-srではvoid:0,1,2 のいづれも,mex:-1で識別率100%,mex:4でこれ 良い識別率を達成するパラメタは見つかっていない(見つかるかもしれないが…).

Dec 05 2019 13:52:41 readmecan2mspeech.txt

Page 216

```
13594 #V2:usePP Identification (tP,FP):<t4>40(4,0)[2.5,0]<t40>40(4,0)[2,0]<t43>40(4,0)[2.5,0]<t1>40(4,0)[2,0]

13594 #V2:usePP Identification (tP,FP):<t4>40(4,0)[2.25,0]<t40>40.000(0/4)

13595 #V2:CaseI usePP Identification Error:
0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0]tt255@[5,0][2,0]
13591 #v2:Casel usePP Identification Error:0.000(0/5)0.000(0/5)0.000(0/5)0.000(0/5)0.000(0/5)
13501 #v2:Casel usePP Identification Error:0.000(0/25FP0)0.000(0/25FP0)0.000(0/25FP0)0.000(0/25FP0)0.000(0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /25fp0)
1364 #void:2 mex:4 Perfect
1365 #void:2 mex:4 Perfect
1366 #void:2 mex:4 Perfect
1365 #void:2 mex:4 Perfect
1366 #void:2 mex:4 Perfect
13.5.0] *c.25-4@(4,0)[2.75,0]
13.5.0] *c.25-4@(4,0)[2.75,0]
13.60 #void:2 mex:4 Perfect
1366 #void:2 mex:4 Perfect
1367 #void:2 mex:4 Perfect
1367 #void:2 mex:4 Perfect
1360 #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ts:4:0:3:1:2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        pmin:0.05 pth:0.98 ts:4:0:3:1:2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MinMmaxFN->Better to use'ts:2:0:3:4:1/?
MinMmaxFP->Better to use'ts:3:1:1/?
MinMmaxFP->Better to use'ts:3:0:4:3:1.7
#Bayes Verification (tp.fp):<t4>(5,0)[2.2,0]<t0>(5,0)[2,0]<t3>(5,0)[2.4,0]<t1>(5,0)[2.6,0]<t2>(5,0)[
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #Bayes Verification Error Rate:0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)
#Bayes Verification FP:0.000(0/20)0.000(0/20)0.000(0/20)0.000(0/20)
#Bayes Verification FP:0.000(0/5)0.000(0/5)0.000(0/5)0.000(0/5)0

#Bayes Verification FP:0.000(0/5)0.000(0/5)0.000(0/5)0.000(0/5)0

Errit4]=0.038Errit6]=0.02Errit3]=0.032Errit1]=0.044Errit2]=0.046

#BIN Identification v1(tP,FP):<4400(5)0.000(0/25)0.1(2.2,0]<400(0/25)0.000(0/25)0.1(2.2,0]<40(0/25)0.1(2.2,0]<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/25)0.1(2.2,0)<40(0/2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13633 #V1:usePP identification (tP,fP):<t4>5@(5,0)[1.8,0]<t0>5@(5,0)[1.6,0]<t2>5@(5,0)[1.4,0]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           loo4bayes-sr fn:../mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:7 pmin:0.05 pth:0.95 ts:4:0:3:1:2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      pmin:0.05 pth:0.98 ts:4:0:3:1
                                                                                        #v2:Casel usePP Identification Error:0.000(0/4)0.000(0/4)0.250(1/4)0.000(0/4)0.000(0/4)0.000(0/4)0.000(0/4) #v8:Case2 usePP Identification Error:0.050(1/20fP0)0.000(0/20fP0)0.000(0/20fP0)0.050(1/20fP1)0.050(1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #v2:usePP Identification (tP,fP):<t4>5@(5,0)[3,0]<t0>5@(5,0)[2,0]<t3>5@(5,0)[2.6,0]<t1>5@(5,0)[3.4,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ts:4:0:3:1:2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ts:4:0:3:1:2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #Original Verification Error Rate:0.092(23/250)0.056(14/250)0.096(24/250)0.140(35/250)0.132(33/250)
#Original Verification FP Rate:0.070(14/200)0.056(14/250)0.096(24/250)0.132(33/250)
#Original Verification FN Rate:0.180(8/50)0.100(5/50)0.100(16/08/50)0.160(8/50)0.120(24/200)
#Original Identification Error Rate:0.200(10/50)0.200(10/50)0.280(14/50)0.400(20/50)0.420(21/50)
#InhimaxRP->Better to use'ts:0.4:3:1:2.7
MinhimaxRP->Better to use'ts:0.4:3:2:1?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              pmin:0.05 pth:.6:.6:.6:.75:.57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #Original Verification Error Rate:0.028(7/250)0.020(5/250)0.032(8/250)0.044(11/250)0.016(4/250) #Original Verification PR Rate:0.020(4/200)0.015(3/2000)0.025(5/2000)0.020(4/200) #Original Verification PR Rate:0.06(0/3/50)0.040(1/50)0.060(3/50)0.100(5/50)0.000(0/50) #Original Identification Error Rate:0.080(4/50)0.060(3/50)0.060(3/50)0.000(5/50)0.040(2/50)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13634 #V1:Casel usePP Identification Error:0.000(0/5)0.000(0/5)0.000(0/5)0.000(0/5)0.000(0/5)1.000(0/5)0.000(0/5)0.000(0/5)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/25)0.000(0/2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               loo4gibbs-sr fn:../mineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:7 pmin:0.05 pth:0.55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               pmin:0.05 pth:0.60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               pmin:0.05 pth:0.55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  pmin:0.05 pth:0.98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #experr dataG (1)loo4bayes-sr fn:../mineishi/text-depdata2.dat ns:5 ntx:5 ntxi:10:7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 tdisp:4 void:1 beta:1
13810 loo4glibbs-sr fn:./wineishi/text-indepdata.dat ns:5 ntx:5 ntxi:10:7
1461sp:4 void:1 beta:1./wineishi/text-depdata2.dat ns:5 ntxi5 ntxi:10:7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        loo4bayes-sr fn:../mineishi/text-indepdata.dat ns:5 ntxi:10:7
                                                                                                                                                                                                                                                                                                                                                                | 13587 | ####[3] text-dependent by gibbs | 13588 | loc4gibbs-sr fm:./mineishi/text-depdata2.dat ns:5 ntx:5 ntxi:10:7 s:4:0:31:2 tdsp:4 void:2 beta:1 mex:-1 | mex:-1 | 13589 | #void:2 beta:1 | mex:-1 | 13589 | #void:2 beta:1 | mex:-1 | 13599 | #void:2 beta:1 mex:-1 | 13590 | #v2:usepp Identification (tp,fp):<t4>5@(5,0)[3,0]<t0>0]<t0>0]<t0>0]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  loo4bayes-sr fn:../mineishi/text-depdata2.dat ns:5 ntx:5 ntxi:10:7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      255FD)
13593 #void:2 beta:2 mex:4 Perfect!
13594 #v2:usePP Identification (FP,
4,3]<t2>4@(3,0)[3.66667,0]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             tdisp:4 void:1 beta:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #Use iconip11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0]<t2>@5(5,0)[1.4,0]
13633 #v1:usePP Ic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          tdisp:4 void:2
13614 loo4bayes
tdisp:4 void:2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2 tdisp:4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              tdisp:4
13638 #C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13623
13624
13625
13626
13627
2,01
13628
13629
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13632
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /20fP0)
13608
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13636
13637
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13620
13621
13622
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13609
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13618
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13641
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13613
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13631
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13639
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   N
```

readmecan2mspeech.txt

tdisp:4

tdisp:4

[4.5,0]

13685

mtt

mxm

13712

##mkpat4fcrd08 method:2 flt:2:1:266 DISP:1 <. //satovowels/s512/faf-a.dat>tmp.dat ###De 'flt:2:1:266 flt:3:266 Flt:3:268 TJ3:57 f8692 for faster or PC orthout mathematica.#k=266 mkpat4fcrd08 method:2 flt:2:1:266 flt:3:268 TJ3:57, 8692 cep:1:30 DISP:1 <. /satovowels/512/faf-a.dat mxm mtm msh mru mmy (4) Leave-One-Out method

loo4vowels N:2 k:9 rsa:2:0,7:1:20 faf ffe fkm fks fms fsu ftk fyn mau

#ACC=0.995=398/400=(318+80)/(318+2+0+80) for N:2 k:9 rsa:2:0,7:1:20 ***

#ACC=0.995=398/400=(318+80)/(318+2+0+80) for N:2 k:9 rsa:2:0,7:1:30

#ACC=0.995=398/400=(318+80)/(318+2+0+80) for N:2 k:9 rsa:2:0,7:1:50 #ACC-0.9928=397/400e(317+80)/(317+3+0+80)for N:2 k:9 rsa:2:0.7:111:100 #ACC-0.9929=366/400=(318+80)/(31446+0+80) for N:2 k:9 rsa:2:0.7:111:50 #ACC-0.885=394/400=(318+80)/(31446-0+80) for N:2 k:9 rsa:2:0.7:111:20 -tmp.dat

mtm mtt

mtm mms mmy mnm msh #NGallname="faf ffs fkm fks fms fsu ftk fyn mau mms mmy mnm msh n #NGaloo4vowels N:1 k:20 B:20 faf ffs #NGloo4vowels N:2 k:9 B:20 faf ffs fkm fks fms fsu ftk fyn mau mm #NGloo4vowels N:2 k:9 B:20 faf ffs fkm fks fms fsu ftk fyn mau mm #NGRACC=0.99=366/400=(276+80)/(276+44+0+80) for N:2 k:30 B:20 #NGRACC=0.9775=391/400=(2134-80)/(284+36+0+80) for N:2 k:0 B:20 #NGRACC=0.9775=391/400=(313-80)/(313-79+68) for N:2 k:9 B:20 #NGRACC=0.9775=391/400=(313-80)/(313-79+68) for N:2 k:9 B:20

mxm

mtt

#NGHACC=0.965=386/400=(3106+80)/(3106+14+0+80) for N:2 k:9 B:19 alpha:0.7 #NGHACC=0.965=386/400=(313+80)/(313+7+0+80) for N:2 k:9 B:20 alpha:0.7 #NGHACC=0.9625=385/400=(313+80)/(313+7+60) for N:2 k:9 B:21 alpha:0.7 #NGHACC=0.9575=389/400=(310+80)/(310+16+0+0+0) for N:2 k:9 B:22 alpha:0.7 #NGHACC=0.9575=383/400=(303+80)/(310+16+0+0+0) for N:2 k:9 B:22 alpha:0.7 #NGHACC=0.9575=383/400=(305+80)/(305+17+0+80) for N:2 k:9 B:30 #NGHACC=0.9375=376400=(256+80)/(255+54+80) for N:2 k:9 B:40 #NGHACC=0.935=374/400=(294+80)/(294+26+0+80) for N:2 k:9 B:40

#NGHACC-0.94=376.400-(296+80)/(296+24+0+80) for N:3 k:9 B:20 #NGHACC-0.95=377/400-(297+80)/(297+80)for N:3 k:9 B:20 #NGHACC-0.975=390/400=(310+80)/(310+10+00+80) for N:1 k:9 B:20

#NG#ACC=0.96=384/400=(304+80)/(304+16+0+80) N:2 K:9 B:20 alpha:0.8 #NG#ACC=0.95=380/400=(300+80)/(300+20+0+80) N:2 K:9 B:30 alpha:0.8 #NG#ACC=0.9325=373/400=(293+80)/(293+27+0+80) N:2 K:9 B:30 alpha:0.6 #NG#ACC=0.9325=375/400=(293+80)/(295+27+0+80) N:2 K:9 B:20 alpha:0.6 #NG#ACC=0.3375=7576/400=(295+80)/(295+25+0+80) N:2 K:9 B:20 alpha:0.6

(3)よって、大きいkのbaggingCaN2は、学習予測はうまくいく?が、計算時間は膨大。 (4)よって、大きいkの SingJeCaN2は、学習予測はうまてつまくいく?。計算時間小。 (5)大きいkで学習予測がうまくいくと、母音情報以外の情報が合まれる。 ーツ(t)=y1(t)+y2(t)のy1(t)のみが母音情報を含むとき、y(2)を除くには?

cmd='vowelrecogy3 te:kita tr:fuku:kita:kosi:sanuki:take:yawa k:108 N:1 m:poles4 dir:../onsei07 rsa::20 Diffbode:0 T:100 t::0:150:300:150 DISP:0 > /dev/null'
mean distance of poles of 'aiueo' of kita and tr:fuku are as follows.
0.047285 0.055032 0.051740 0.044296 #te:kita-a->fuku-a
0.02946* 0.035564 0.03658 0.044206 0.03596 #te:kita-i->fuku-a
0.03944* 0.034572* 0.046004 0.052610 0.05438 #te:kita-a->fuku-i
0.051776 0.050905 0.051780 0.051260 0.050349* #te:kita-a->kosi-o

###te:Rita-aiueo-t300+450 are recognized as aaiio (rate=2/5).###
cmd='voweirecogy3 te:Rita tr:Tuku'kita:Rosi:sanuki:take:yama k:54 N:1 m:poles4 dir:../onsei07 rsa:-1
20 DiffMode:0 T:100 t::0:150:300:150 DISP:0 > /dev/null'
mean distance of poles of 'aiueo' of kita and tr:fuku are as follows.

```
#checklorenz#/home/kuro/tex/lecture/ChinoSystem/07/07ts1.dat
                                                                                                #checklorenz#0-2000:2000-2000 #checklorenz#0 0 0 0 #yæ \Re \left( \mathbb{K} [\text{ymin0:ymax0}] \rightarrow [\text{ymin1:ymax1}] \right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         7m17.958suser73m12.810s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1:20 k=54 N=1 take-i
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1dfftsmooth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #bw=8000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             070804
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   earch optimal
14032 #chec
                                                                                                                                                                                                                                                                                                                                        14026
14027
14028
14029
14030
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14072
14073
14074
14075
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              14077
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14046
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14067
14068
14069
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       14071
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            14081
                                                          13955 # 0.0318120* 0.042463 0.039109 0.042429 # terkita-a-Akta-a-113955 # 0.0318120* 0.042463 0.039109 0.042424 # terkita-a-Akta-a-113955 # 0.030120* 0.042463 0.0439109 0.042424 # terkita-a-Akta-a-Akta-a-113956 # 0.050027 0.055369 0.04664* 0.055050* # terkita-a-Akta-a-Akta-a-113950 # 0.045073 0.046671 0.04864* 0.055050* # terkita-a-Akta-a-Akta-a-113950 # 0.045073 0.046671 0.04864* 0.055050* # terkita-a-Akta-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-Indo-a-Akta-a-In
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Idfftsmooth ...\onsei07/take-a.dat 0 ${bw} 0
Idfftsmooth ...\onsei07/take-a.dat 0 ${bw} 0
Idfftsmooth_dat smooth_${bw}.dat
tf=1000.tl=1000.tl=1000.tl=expr ${tf} + ${tl}\'pf=$tt.pl=300.ppt=\expr ${pf} + ${pl}\' #
#rsa=rsa:-1:0.7:1:20 k=10 N=33 mp=mp:1:1:1 DM=DiffMode:0 H=Hosei:1 g=g:5e-3 w=w:0.2 T=100 ; to=${frt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ldfftsmooth ../onsei07/take-i.dat 0 ${bw} 0 cp smooth...dat smooth...d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       K54Nlmp1:1:1.000000H1-dy #bw=0 rsa:2:0.7:1:20 k=54 N=1 take-i
1397 #MSE=8.6078H7e+03(NMSE3.514845e-01)(n300) 1000-2000:2000-2300K54Nlmp1:1:1.000000H1-y #bw=0 rsa:2:0.7
13:20 k=54 N=1 take-i
13998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       14002 #checklorenz#tf=0;tl=1900;tt='expr ${tf} + ${t1}'.pf=$tt.pl=100;pt='expr ${pf} + ${p1}' #
14003 #checklorenz#rsa=rsa:-1:0.7:1:20 k=5 N=200 mp=mp:1:1:1 DM=DiffMode:0 H=Hosei:1 g=g:5e-3 w=w:0.2 T=10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14006 #checklorenz#cmd="./tspredv3 $fn ${tf}-${tt}:${pf}-${pt} ${mp} ${mp} ${H} N:${N}-$N:1 M:1-1:1 ib:0:0 ${xsa} X:${k} y:0:0:0:1 ${g} ${m} T:${T} v:0.5 ${xsa} X:${k} y:0:0:0:1 ${g} ${m} T:${T} v:0.5 ${m} T:0.5 ${m} 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ib:0:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #MSE=8.434503e+03(NMSE3.444075e-01) MSEdy=1.570484e+04(NMSEdy1.157852e+00)(n300) 1000-2000:2000-2300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #checklorenz##rsa=rsa:-1:0.7:11:20 k=10 N=10 mp=mp:1:1:1 DM=DiffMode:0 H=Hosei:1 g=g:5e-3 w=w:0.2 T=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       rsa=rsa:-1:0.7:1:20 k=108 N=1 mp=mp:1:1:1 DM=DiffMode:0 H=Hosei:1 g=g:5e-3 w=w:0.2 T=100 ; to=${frtl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    not
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #checklorenz##NSE=6 718251e+00(RMSEI 057440e-01)(nl00) 0-1900:1900-2000k5N200mp1:11:000000H1-y #checklorenz##NSE=6.718251e+00(RMSEI.266339e-01)(nl00) 0-1900:1900-2000k5N200mp1:11:000000H1-y #checklorenz##NSE=8.774789e+00(RMSEI.22436e-01)(nl00) 0-1900:1900-2000k5N200mp1:11:000000H1-y #checklorenz##NSE=9.796246e+00(RMSEI.24246e-01)(nl00) 0-1900:1900-2000k5N200mp1:11:000000H1-y #checklorenz##NSE=1.036681e+01(RMSEI.54191e-01)(nl00) 0-1900:1900-2000k5N300mp1:11:000000H1-y #checklorenz##NSE=1.036681e+01(RMSEI.631716e-01)(nl00) 0-1900:1900-2000k5N190mp1:11:000000H1-y #checklorenz##NSE=1.036681e+01(RMSEI.75672e+00)(nl00) 0-1900:1900-2000k5N190mp1:11:000000H1-y #checklorenz##NSE=1.036046e+02(RMSEI.726572e+00)(nl00) 0-1900:1900-2000k7N200mp1:11:000000H1-y #checklorenz##NSE=9.056051e+01(RMSEI.5684e-00)(nl00) 0-1900:1900-2000k7N200mp1:11:000000H1-y #checklorenz##NSE=9.965051e+01(RMSEI.5684e-00)(nl00) 0-1900:1900-2000k7N200mp1:11:000000H1-y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #checklorenz##rsa=rsa:2:0.7:1:20 k=10 N=6 mp=mp:1:1:1 DM=DiffMode:0 H=Hosei:1 g=g:5e-3 w=w:0.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        77 #rsa=rsa:2:0.7:1:20 k=54 N=1 mp=mp:1:1:1 DM=DiffMode:1 H=Hosei:2 g=g:5e-3 w=w:0.2 T=100 ;date % compared % smooth.${bw} dat $(tf)-$(tt):$(pf)-$(pt) ${mp} ${mp} ${DM} ${H} N:${M}-$N:1 M:1-1:1 $(rsf. A) rs; {k} y:0:0:1 ${g} ${m} rs; {k} rs; {k} y:0:0:1 ${g} ${m} rs; {k} rs; {k
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #take-a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #MSE=8.220460e+03(NMSE3.356675e-01)(n300) 1000-2000:2300k108NImpl:1:1.000000H1-y #take-i #MSE=2.122831e-04(NMSE5.820379e-02)(n300) 1000-2000:2300c108NImpl:1:1.000000H1-y #take-u #MSE=9.267349e+04(NMSE5.998219e-02)(n300) 1000-2000:2000-2300k108NImpl:1:1.000000H1-y #take-u #MSE=9.267349e+04(NMSE5.998219e-02)(n300) 1000-2000:2000-2300k108NImpl:1:1.000000H1-y #take-e #MSE=4.950438e+04(NMSE3.21655le-01)(n300) 1000-2000:2000-2300k108NImpl:1:1.0000000H1-y #take-e #MSE=4.950438e+04(NMSE3.21655le-01)(n300) 1000-2000:2000-2300k108NImpl:1:1.1000000H1-y #take-e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #rsa=rsa:-1:0.7:1:20 k=54 N=1 mp=mp:1:1:1 DM=DlffMode:0 H=Hosei:1 g=g:5e-3 w=w:0.2 T=100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           \#MSE=4.850070e+05(NMSE1.075298e+00)(n300)\ 1000-2000:2000-2300k108N1mp1:1:1.000000H1-y=0.000000H1-y=0.000000H1-y=0.000000H1-y=0.000000H1-y=0.000000H1-y=0.000000H1-y=0.000000H1-y=0.000000H1-y=0.000000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.0000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.00000H1-y=0.0000H1-y=0.00000H1-y=0.00000H1-y=0.0000H1-y=0.00000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1-y=0.0000H1
0.049715 #te:kita-a->kita-a
0.040624 #te:kita-i->kita-a
0.090917 #te:kita-u->kita-i
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #checklorenz#fn=/home/kuro/tex/lecture/ChinoSystem/07/07ts1.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0:時系列,1:陽数,3:ijcnn04,4:距離データ
次元 k1 k2
0.050374
0.044229
0.079126
0.046864*
0.045823
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #checklorenz##############check
0.045928
0.039109
0.080941
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             <<EOF
0.050544
0.042463
0.073495*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #checklorenz#./can2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #checklorenz#${k} 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #checklorenz#070806
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #checklorenz####
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #checklorenz#k=8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #checklorenz#0
0.037126*
0.038120*
0.090577
0.060020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #checklorenz#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                14005 #check
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0 ; to=${frtl}
14004 #check
         #####
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1}
13992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 13991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             14000
14001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 14009
14010
14011
14012
14013
14014
14016
14017
14019
14019
14019
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13977
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  13978
:0:0 ${
13979
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13981
13982
13983
13984
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         13996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;date
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14008
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13980
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         13999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        bad??
```

```
#checklorenz#cp tmp/train+test.dat ${fnl}
#checklorenz#sexport ras=ras=10.71:120 mp=mp:1:11 DM=DiffMode:0 H=Hosei:1 g=g:5e-3 w=w:0.2 T=100 ; to=${f
#checklorenz#rsexras-1:0.77:12:0 mp=mp:1:11 DM=DiffMode:0 H=Hosei:1 g=g:5e-3 w=w:0.2 T=100 ; to=${f
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             14044 #checklorenz#cmd="./tspredv3 $fn ${tf}-${tt}:${pf}-${pt} ${mp} ${mp} ${H} N:${N}-$N:1 M:1-1:1 ib:0:0 0.0:0 ${rsa} N:${k} y:0:0:0:1 ${q} ${m} T:${T} vt:0.5 vr:10" 14045 #checklorenz#time $cmd >/dev/null ;date
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cp smooth, dat smooth.§{pw}.dat
tf=1000:tl=1000:tt=-expr ${tf} + ${tl}\':pf=$tt:pl=300:pt='expr ${pf} + ${pl}\' #
#rsa=rsa:-1:0.7:1:20 k=10 N=33 mp=mp:1:1:1 DM=DiffMode:0 H=Hosei:1 g=g:5e-3 w=w:0.2 T=100 ; to=${frt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  :1M:1rsa:-1:0.7:1:20bst:-1:0
14035 #checklorenz#ke8
14035 #checklorenz#ke8
14035 #checklorenz#ke8
14037 #checklorenz#ke7
14035 #checklorenz#ke8
14037 #checklorenz#k:07train v:null LDnanLvar0.00e+00Lvar00.00e+00Ltrain1.636e-04HnanLval0=1.600e-13N:171-
14037 #checklorenz#t:07train v:null LDnanLvar0.00e+00Lvar00.00e+00Ltrain1.684e-04HnanLval1=2.500e-13N:169-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 T=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        00; to=${frt1}
14042 #checktorenz##rsa=rsa:-1:0.7:1:20 k=10 N=10 mp=mp:1:1:1 DM=DiffMode:0 H=Hosei:1 g=g:5e-3 w=w:0.2 T=1
00; to=${frt1}
14043 #checktorenz#rsa=rsa:2:0,7:1:20 k=8 N=171 mp=mp:1:1:1 DM=DiffMode:0 H=Hosei:1 g=g:5e-3 w=w:0.2 T=100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     917suser73m3.700s bagging
14083 #MSE=8.607817e+03(NMSE3.514845e-01)(n300) 1000-2000:2000-2300k54N1mp1:1:1.000000H1-y #bw=0 rsa:2:0.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #rsa=rsa:-1:0.7:1:20 K=10 N=10 mp=mp:1:1:1 DM=DiffMode:0 H=Hosei:1 g=g:5e-3 w=w:0.2 T=100 ; to=${frt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #MSE=3.836574e+03(NMSE1.742402e-01)(n300) 1000-2000:2000-2300K54N6mp1:1:1.000000H1-y #bw=8000#real12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  14082 #MSE=7.282911e+03(MMSE2.973844e-01)(n300) 1000-2000:2000-2300k54N6mp1:1:1.000000H1-y #bw=0#reall10m1
                                                                                                                                                                                                                                                                                                         14032 #checklorenz#k=5
14033 #checklorenz#t:07train v:null LDnanLvar0.00e+00Lvar00.00e+00Ltrain4.794e-05HnanLval0=2.500e-13N:425-
                                                                                                                                                                                                                                                                                                                                                                        .1M:1rsa:-1:0.7:1:20bst:-1:0
14034 #checklorenz#t:07train v:null LDnanLvar0.00e+00Lvar00.00e+00Ltrain5.389e-05HnanLval1=2.500e-13N:438-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              14040 #checkloxenz#tf=0;tl=1900;tt='expr ${tf} + ${t1}'.pf=$tt.pl=100;pt=`expr ${pf} + ${p1}' #
14041 #checkloxenz##rsa=rsa:-1:0.7:1:20 k=5 N=200 mp=mp:1:1:1 DM=DiffMode:0 H=Hosei:1 g=9:5e-3 w=w:0.2
                                                                                                                                                                                                                                       14031 #checklorenz#time ens2ge ${train} ${pred} N:1-500:1 M:1-1:1 1b:0:0:0:0 ${rsa} k:${k} >/dev/null
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #checklorenz#k=8;fn=/home/kuro/tex/lecture/ChinoSystem/07/07ts1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #checklorenz#fn=/home/kuro/tex/lecture/ChinoSystem/07/07ts1.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0:時系列,1:関数,3:ijcnn04,4:距離デ
次元 k1 k2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ./onsei07/take-i.dat 0 ${bw} 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #checklorenz#######################
                                                                  #checklorenz#fn1=tmp/07train.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #checklorenz#./can2 <<EOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            :1M:1rsa:-1:0.7:1:20bst:-1:0
14038 #checklorenz#
14039 #checklorenz#fn=/home
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #checklorenz#quit
```

```
y 30steps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    y 30steps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                y 30steps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        y 30steps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              14176
14177
14178
14179
14180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              14162
v.dat"
14163
14164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 14183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 14192
14193
14194
14195
14196
14197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14161
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          14191
                                                                                                                                              7:1:20 k=54 N=1 singleCAN2 take-i
14086 #MSE=4.280764e+04(NMSE2.792716e-01)(n300) 1000-2000:2000-2300k54N6mpl:1:1.000000H1-y #bw=0 rsa:2:0.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ldfftemooth ...onsei07/take-i.dat 0 8000 0
tf=500:tl=1000:tt=`expr ${tf} + ${t1}`;pf=$tt:pl=150:pt=`expr ${pf} + ${pl}` #
#rsa=rsa:-1:0.7:1:20 k=10 N=33 mp=mp:1:1:1 DM=DiffMode:0 H=Hosei:1 g=g:5e-3 w=w:0.2 T=100 ; to=${frt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9000 0 prin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8000 0 prin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "predictDM0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "predictDM0
                                                                                                                                                                                                                                   1:20 k=54 N=6 take-0
14087 #MSE=6.943526e+03(NMSE2.835262e-01)(n300) 1000-2000:2000-2300k108N6mp1:1:1.000000H1-y #bw=0 rsa:2:0.
7:1:20 k=108 N=6 take-i
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     tf=1000;tl=1000;tL=`expx ${tf} + ${tl}`:pf=$tt:pl=300;pt=`expx ${pf} + ${pl}` #
#rsa=rsa:-1:0.7:1:20 k=10 N=33 mp=mp:1:1:1 DM=DiffMode:0 H=Hosei:1 g=g:5e-3 w=w:0.2 T=100 ; to=${frt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        rsa=rsa:-1:0.7:1:20 \ k=10 \ N=10 \ mp=mp:1:1:1 \ DM=DiffMode:0 \ H=Hosei:1 \ g=g:5e-3 \ w=w:0.2 \ T=100 \ ; \ to=\$\{frt1:0.7:1:20 \ k=10 \ k=10 \ frt1:0.7:1:20 \ k=10 \ k=10 \ frt1:0.7:1:20 \ k=10 \ frt1:0.7:1:20 \ k=10 \ frt1:0.7:1:20 \ k=10 \ frt1:0.7:1:20 \ frt1:0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    rsa=rsa:-1:0.7:1:20 k=10 N=10 mp=mp:1:1:1 DM=DiffMode:0 H=Hosei:1 g=g:5e-3 w=w:0.2 T=100 ; to=\$\{frt\}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #MSE=1.649300e+04(NMSE6.734613e-01)(n300) 1000-2000:2000-2300k54N2mp1:1:1.000000H1-y #bw=0 rsa:-1:0
                                                                                                1000-2000:2000-2300k54N1mp1:1:1.000000H1-y #bw=0 rsa:-1:0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        singleCAN2 take-a
14090 #MSE=4.229602e+05(NMSE1.160003e+00)(n300) 1000-2000:2000-2300k54N1mp1:1:1.000000H1-y #bw=0 k=54 N=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #MSE=3.341643e+05(NMSE2.162712e+00)(n300) 1000-2000:2000-2300K54N1mp1:1:1.000000H1-y #bw=0 k=54 N=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       t 4.*8000./32768=0.9765625
14122 #MSE=9.491524e+03(NMSE3.639910e-01)(n100) 500-1500:1500-1600kl0N8mpl:1:1.0000000H1-y N8 0 0 0 pxint
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14124 #MSE=2.836424e+03(NMSE1.087742e-01)(n100) 500-1500:1500-1600k54N6mp1:1:1.000000H1-y k=54 N=6 0 0 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #MSE=3.847903e+04(NMSE1.747548e+00)(n300) 1000-2000:2000-2300k10N10mp1:1:1.000000H1-y #ldfftsmooth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #MSE=4.195095e+04(NMSE1.712990e+00)(n300) 1000-2000:2000-2300k10N10mp1:1:1.000000H1-y #ldfftsmooth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0
                                                                                                                                                                                                                                                                                                                                                                                                                                          #MSE=3.771251e+05(NMSE8.361158e-01)(n300) 1000-2000:2000-2300K54N1mp1:1:1.000000H1-y #bw=0 k=54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #MSE=7.677453e+03(NMSE3.847785e-01)(n100) 500-1500:1500-1600k10N9mp1:1:1.000000H1-y N9 0 10000 #MSE=3.407013e+03(NMSE1.707527e-01)(n100) 500-1500:1500-1600k10N8mp1:1:1.000000H1-y N8 0 10000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              nt 4.*10000./32768=1.220703125
14118 #MSE=4.457887e+03(NMSE2.234204e-01)(n100) 500-1500:1500-1600k10N7mp1:1:1.000000H1-y N7 0 10000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14129 set output "k9N33take-a.obj";plot "predictDM0:rsa-lk9N33t1000-1200-take-a.dat" using 2:3 w l, ctDM0:rsa-lk9N33t1000-1200-take-a.dat" using 2:1 w l 14130 set output "k9N33take-i.obj";plot "predictDM0:rsa-lk9N33t1000-1200-take-i.obj";plot "predictDM0:rsa-lk9N33t1000-1200-take-i.dat" using 2:3 w l, ctDM0:rsa-lk9N33t1000-1200-take-i.dat" using 2:1 w l
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ctDM0:rsa-lk9N33t1000-1200-take-u.dat" using 2:1 w 1
14332 set output "k9N33takke-e.obj';plot "predictDM0:rsa-lk9N33t1000-1200-take-e.dat" using 2:3 w 1,
ctDM0:rsa-lk9N3tL000-1200-take-e.dat" using 2:1 w 1
14133 set output "k9N33take-o.obj";plot "predictDM0:rsa-lk9N33t1000-1200-take-o.dat" using 2:3 w 1,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            using 2:3 w 1,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #MSE=3.073411e+02(NMSE1.540332e-02)(n100) 500-1500:1500-1600k54N6mp1:1:1.000000H1-y bagging
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              14136 set output "K54N6take-a.obj";plot "predictDMO:K54N6t1000-1200-take-a.dat" using 2:3 w 1, :K54N6t1000-1200-take-a.dat" using 2:1 w 1
14137 set output "K54N6take-i.obj";plot "predictDMO:K54N6t1000-1200-take-i.dat" using 2:3 w 1, :K54N6t1000-1200-take-i.dat" using 2:1 w 1
14138 set output "K54N6take-u.obj";plot "predictDMO:K54N6t1000-1200-take-u.dat" using 2:3 w 1, 14138 set output "K54N6take-u.obj";plot "predictDMO:K54N6t1000-1200-take-u.dat" using 2:3 w 1,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #MSE=3.530281e+03(NMSE1.752576e-01)(n100) 500-1500:1500-1600k10N8mp1:1:1.000000H1-y N8 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #MSE=5.498508e+03(NMSE2.461048e-01)(n100) 500-1500:1500-1600k10N8mp1:1:1.000000H1-y N8 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            set output "k9N33take-u.obj";plot "predictDM0:rsa-1k9N33t1000-1200-take-u.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ctDM0:rsa-1k9N33t1000-1200-take-o.dat" using 2:1 w 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1dfftsmooth ../onsei07/take-i.dat 0 8000 0
                                                   7:1:20 k=54 N=2 singleCAN2
14085 #MSE=8.604056e+03(NMSE3.513309e-01)(n300)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /onsei07/take-i.dat 0 8000 0
14103 #MSE-4.195095e+04(NMSE
/onsei07/take-i.dat 0 0 0
14104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    t 4.*9000./32768=1.0986328125
14121 #MSE=5.498508e+03/NMSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14134 ### fig2 after (9)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ### fig2 after(8)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      set terminal tgif
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           *0./32768=0.9765625=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        singleCAN2 take-u
14091 #MSE=3.341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    singleCAN2 take-o
14093 ########
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   singleCAN2 take-14092 #MSE=4.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14098
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14099
14100
${rsa}
14101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        14109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    {rsa}
14112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               14094
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14096
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14097
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14105
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14123
                                                                                                                                                                                                                                                                                                                                                                                             14088
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              14114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  14106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             14128
```

readmecan2mspeech.txt

```
##49000-1200-take-e.date using 2:1 w 1

##4000-1200-take-e.date using 2:1 w 1

##4000-1200-take-e.date using 2:1 w 1

##4000-1200-take-e.date using 2:1 w 1

##54000-1200-take-o.dat using 2:1 w 1

##5500-1200-take-o.dat using 2:1 w 1

##5500-1200-take-poles0-MI.obj ../onsei07/

##5100-take-poles0-MI.obj ../onsei07/

##5100-take-poles0-MI.obj ../onsei07/

##5100-take-poles0-MI.obj ../onsei07/

##500-take-poles0-MI.obj ../onsei07/

##500-take-po
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          d="../onsai07"
d="...onsai07"
d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        14168 set terminal tgif
14169 set tourput "K5486-s-take-a.obj";plot "predictDM0:k54N6tl600-1650-s-take-a.dat" using 2:3 w l, "predictDM0:k54N6tl600-1650-s-take-a.dat" using 2:3 w l, "predictDM0:k54N6tl600-1650-s-take-i.dat" using 2:3 w l, "predictDM0:k54N6tl600-1650-s-take-i.dat" using 2:3 w l, "predictDM0:k54N6tl600-1650-s-take-i.dat" using 2:3 w l, "predictDM0:k54N6tl600-1650-s-take-u.dat" using 2:3 w l, "predictDM0:k54N6tl600-1650-s-take-u.dat" using 2:3 w l, "predictDM0:k54N6tl600-1650-s-take-e.dat" using 2:3 w l, "predictDM0:k54N6tl600-1650-s-take-e.dat" using 2:3 w l, "predictDM0:k54N6tl600-1650-s-take-e.dat" using 2:3 w l, "predictDM0:k54N6tl600-1650-s-take-o.dat" using 2:3 w l, "predictDM0:k54N6tl600-1650-s-take-o.dat
                                                                                                  "predictDM0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    onl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           onl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         onl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          onl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         y 30steps
14184 #MSE=9.486100e+01(NMSE1.193815e-01)(n50) 800-1600:1600-1650k54N6mp1:1:1.000000H1-y s-taka-o good onl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cp result-ensrs2ge/predictDM0:$pf-$pt.dat ../onsei07/predictDM0:k${k}N${N}t${pf}-${pt}-$name-$v.dat echo "### Done for $cmd ###"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     predictDMO:k54N6t1600-1650-take-a.dat
#MSE=3.103290e+04(NMSE6.284037e-01)(n50) 800-1600:1600-1650k54N6mp1:1:1.000000H1-y s-taka-a good
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #MSE=5.016779e+02(NMSE6.303207e-01)(n50) 800-1600:1600-1650k54N6mp1:1:1.000000H1-y s-taka-i good
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #MSE=4.709621e+03(NMSE2.866689e-01)(n50) 800-1600:1600-1650k54N6mp1:1:1.000000H1-y s-taka-e good
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ###(2+1) single CANZ for speaker and vowel recognition
###(3) Single CANZ with k:9 N:1 m:poles4 with DISP:1 for unstable poles using rsa=-1,
###(3+1) Single CANZ with k:9 N:1 m:poles4
                                                                                        using 2:3 w 1,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         800-1600:1600-1650k54N6mp1:1:1.000000H1-y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ###(41) bagging CAN2 vowel recognition using bagging poles4 80.3*
###(4+1) bagging CAN2 for speaker and vowel recognition
###(5.) for bagging vowel recognition using poles4, npt:0.7:1.1:1:179 90.0*
###(5.'+1) for bagging speaker and vowel recognition with tl=150??
information on neither vowels nor speakers
                                                                              14139 set output "k54N6take-e.obj";plot "predictDMO:k54N6t1000-1200-take-e.dat"
:k54N6t1000-1200-take-e.dat" using 2:1 w 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (1)新しいデータファイル from kurolab:/home/funatsu/kurogisensei
Kite-a.dat kosi-e.dat sanuki-i.dat take-o.dat yama-u.dat
fuku-a.dat kita-e.dat kosi-a.dat sanuki-o.dat take-u.dat
fuku-e.dat kita-i.dat kosi-o.dat sanuki-u.dat yama-a.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ###(2) for single CAN2 vowel recognition using M4 80.3%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #MSE=9.183176e+02(NMSE3.631833e-01)(n50)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     predictDMO:k54N6t1600-1650-s-take-i.dat
predictDMO:k54N6t1600-1650-s-take-o.dat
predictDMO:k54N6t1600-1650-s-take-u.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 predictDMO:k54N6t1600-1650-s-take-a.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                predictDM0:k54N6t1600-1650-s-take-e.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           kosi-i.dat
kosi-o.dat
using 2:1 w 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               done done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (,,6)###
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       070207
```

Dec 05 2019 13:52:41 readmecan2mspeech.txt

Page 225

²age 226

```
| 1,000 | Control Cont
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

Page 228

1:-1:0.7:	i:-1:0.7:	a:-1:0.7: a:-1:0.7:	6)) NG:a2ilu rma:-1:0.7:1	-1:0.7:1
NG4vr 1,0 1,1 1,1 1,1 NG4vr 1,0 r:/onsei07 rse 1,1 1,1 1,1 1,1	r:/onsei07 rsa 1,1 1,1 1,1 0 NG4sr 0,1 dir:/onsei07 r i-a 1,1 i-a 1,1 i-	./onsei07 rs. 1,1 1,1 1,1 1,1 1,1 1,1 1,1 1,1	66.6% (see(6))/onsei07 rsa: NG	NG/onsei07 rsa.
#te:fuku-a->fuku-a #te:fuku-i->fuku-a #te:fuku-e->fuku-a #te:fuku-e->fuku-a fuku-o->fuku-a fe:fuku-o->fuku-a fe:fuku-o->fuku-a fe:kita-a->kita-a #te:kita-a->kita-i #te:kita-a->kita-i #te:kita-a->kita-i #te:kita-a->kita-i #te:kita-a->kita-i #te:kita-a->kita-i #te:kita-a->kita-i #te:kita-a->kita-i	osi k:9 N:1 m:M4 dirr #te:kosi-a->kosi-a #te:kosi-i->kosi-i #te:kosi-i->kosi-i #te:kosi-o->kosi-u #te:kosi-o->kosi-u #te:kosi-o->kosi-u #te:kosi-o->sanuki-o-k #te:sanuki-a->sanuki #te:sanuki-a->sanuki #te:sanuki-u->sanuki #te:sanuki-u->sanuki #te:sanuki-u->sanuki #te:sanuki-o->sanuki #te:sanuki-o->sanuki #te:sanuki-o->sanuki #te:sanuki-o->sanuki	ake k:9 N:1 m:M4 di s. s. te:take-a->take-a #te:take-1->kita-i #te:take-u->take-u #te:take-u->take-o fs:,## fs: yana-a-yyana-a #te:yana-a-yyana-u #te:yana-1-yyana-u #te:yana-1-yyana-u #te:yana-1-yyana-u #te:yana-0-yyana-u #te:yana-0-yyana-u #te:yana-0-yyana-u #te:yana-0-yyana-u	3.44)/6*5=20/30= as follows. uku-a->rake-i uku-i->kita-e uku->kita-e uku->kita-e uku->kita-i uku-o->kita-i m:poles4 dir: as follows. as follows.	ita-u-yeake-u ita-u-yeake-u ita-u-yeake-u ita-u-yeake-u im:poles4 dir: as follows. as follows. osi-u-yita-u osi-u-yita-u osi-u-yita-u osi-u-yata-u m:poles4 dir: 1 m:poles4 dir:
0.198446 0.328599 0.330746 0.261205 0.261205 0.261205 e.yama te:k ull, and te:k 0.822982 0.822982 0.722162 0.722162 0.722163	ueo (rate=i ull'ama te:) ull'ama te:) ull'ablance e as follow 0.841714 0.825029 0.140222* ueo (rate=i e:yama te:s f.mull are as follow 0.262669 1.255704 0.262669 0.547340	aiueo (rat. ul.' ul.' e as £0.110 e as £0.110 e 88.334 l.137431 l.137431 l.137431 l.137431 l.157431 l.157431 l.157431 l.15.2698 l.264595 l.152698 l.264595 l.00 (72154) l.00 (73154)	ooles4 LeaveComeOut (1+3+4+5+ 1ki:take:yama te:tuku k:9 N: 1p:0 > /dev/null. 1o. 29500 0.306913 #te:f 0.29500 0.306913 #te:f 0.295304 0.292820 #te:f 0.23304 0.292820 #te:f 0.21388 0.317982 #te:f 0.194371* 0.249708 #te:f 1mized as ieuie (rate=1/5) # 1ki:take:yama te:kita k:9 N: 1p:0 > /dev/null and tr:fuku are 0.29550 0.20658 #te:k	0.221851 ## 0.122468 ## 0.122468 ## inia (rate=3/, mand tr:fuku (0.203328 ## 0.2033228 ## 0.370216 ## 0.034828 ## iniueo (rate=4/,
0.327101 0.19351 0.25342 0.114241* 0.257774 mynized as avantic teken (1.5970) 1 tr:fktku arr 1.08625 0.465586 0.714193 0.716524*	ogopized as alwoopnized as alwoopnized sa alwoodnit : 124024 are 10.702591 a. 0.55234 a. 0.703592 as alwoodnized as alwoodnize	uku:kita:kosi:samki:tak uku:kita:kosi:samki:tak uku:kita:kosi:samki:tak ufo:150:150 DISP:0 - /dev/mi ufo:1752427 0.406680 u.136737 0.406800 u.136737 0.406800 u.505175 0.068935* u.390461 1.42907 uku:kita:kosi:samki:tak uku:	ith k:9 N:1 m:poles4 Leaveor :kita:kosi:sanuki:take:yama 150:150:150 DISP:0 > /dev/nn :poles of 'aineo' of futu ar :poles of 'aineo' of kette ar :fuku:kosi:sanuki:take:yama :fuku:kosi:sanuki:take:yama :poles of 'aineo' of kette ar	0.263606 0.264023 0.17219 3mized as ai Mititakeryam 20.07755 0.267755 0.33450 0.33450 0.131693 0.131693 mized as oi
0.250665 0.301202 0.105143* 0.189227 0.279859 0.0 are recognuitata:kos: 150:150 DISI 0.530783 0.03558* 0.09558* 0.09558*	are rec 1812 180 16 180 20 20 10 1895732 10 1895732 10 1895735 18 18 18 18 18 18 18 18 18 18 18 18 18 1	000 are r 1351 al 1351	k:9 N:1 m:p aa.kosi:sanu 1150:150 DIS 120:150 DIS 0.251125 0.25125 0.26530 0.26530 0.28747 0.2	0.145216* 0.275630 0.225630 0.225630 0.225630 0.225630 0.275630 0.273030 0.248025* 0.202270 0.202270 0.18tharkos
0.215606 0.198274 0.232489 0.132445 0.216037 ueo-t150+ cogv3 tr:f 0.997833 0.143665 0.717480 0.717480	ueo-1150+ cogy3 trs.f trs.f ance of M ance of M 0.58732 0.17719 0.687366 0.668736 0.668736 0.067736 0.0773	aiueo-t15 cgg/3 Lrs f tt.0.150 ance 0.309448 0.3094488 0.319943 0.4163309 uco-t1504 tt:0.150 uco-t1504 0.520176 0.520176 0.520179 0.520179 0.520179 0.520179	codv3 tx tt:150: ance of 0.21917 0.21917 0.21941 0.2007 0.2007 0.000-1150: ance of 0.1350	0.3252 0.2122 0.2122 0.2200 0.2200 0.331 0.3612 0.1587 0.1783 0.3703 0.2363 ueo-t15
0799* 373 373 0027 6027 0022 324 398	Cmd='vowelrea-a' fixed='ovwelrea-a' fixed='ovwelrea-a' fixed='or'100' fixed='or'1	nuki. 1:100 dist 062* 062* 418 964 418 894 Relrec 035* 894 035* ma-a.	(3) Singl. = "vowelrecond of the properties of t	## 0.216082 ## 0.281925 ## 0.281925 ###te:kita-ai Goods:0 T:100 ### mean dist ## 0.204819 ## 0.205101 ## 0.355433 ## 0.35543349 ## 0.35543349 ## 0.35543349 ## 0.35543349
14421 14422 + 14422 + 14422 + 14422 + 14422 + 14422 + 14422 + 14422 + 14422 + 14423 + 14423 + 14432 + 14433 +	14445 4 4 14445 4 4 14445 4 4 14445 4 14446 4 1446 4 1446 4 1446 4 1446 4 1446	1:200 1:200 1:200 1:4455 1:4455 1:4455 1:200 1:200 1:4459 1:459 1:	14467 14468 104603 124468 124470 144471 144473 144475 144475 114476 114476 114476 114476 114476 114476 114476 114476 114476	444481 44483 44484 44484 44486 44489 44490 44490 44490

```
14536 mode-vowelrecogy3 tr:fuku:kita:kosi:sanuki:take:yama te:kosi k:9 N:1 m:poles4 dir:../onsei07 rsai-1:
0.7:1:20 DiffMode Or:100 tr:0:150:150 DBP:0 > / dev/null.
14539 # 0.033023* 0.34625 0.260107 0.249560 0.230716 #te:kosi-a->kosi-a 1,1
14540 # 0.033023* 0.34642 0.260107 0.249590 0.23349 #te:kosi-a->kosi-a 1,1
14541 # 0.032772 0.316429 0.202249 0.220230 0.23349 #te:kosi-a->kosi-a 1,1
14542 # 0.23439 0.126447 0.32249 0.202249 0.220230 0.2340 #te:kosi-a->kosi-a 1,1
14543 # 0.134790 0.237339 0.204792 0.135210 0.034533 #te:kosi-a->kosi-a 1,1
14544 ##te:kosi-aiueo-t150+300 are recognized as aiueo (rate=5/5):###
14545 dcmd='vowelrecogy3 tr:fuku:kita:kosi:sanuki:take:yama te:sanuki k:9 N:1 m:poles4 dir:../onsei07 rsai-
10.7:1:20 DiffMode:0 T:100 tt:0:150:150:150 DISP:0 0.034533 #te:sanuki:a->sanuki-a 1,1
14546 cmd='vowelrecogy3 tr:fuku:kita:kosi:sanuki:take:yama te:sanuki:a->sanuki-a 1,1
14547 ### maan distance of poles of 'aiueo' of sanuki and tr:tuku are as follows.
14546 # 0.233495 0.201597 0.001989 0.13638 #te:sanuki:a->sanuki-a 1,1
14547 ### maan distance of poles of 'aiueo' of sanuki and tr:tuku are as follows.
14550 # 0.233495 0.201597 0.004964 0.105372 0.25077 #te:sanuki:a->sanuki-a 1,1
14551 # 0.12148 0.22981 0.201597 0.004964 0.13638 #te:sanuki:a->sanuki-a 1,1
14552 # 0.12148 0.22981 0.22981 0.21556 0.015817 0.015817 0.03703* #te:sanuki-c->sanuki-c 1,1
14553 ###te:sanuki-aiueo-t150+300 are recognized as aiueo (rate=5/5) ###
14554 ## maan distance of poles of 'aiueo' of take and tr:fuku are as follows.
14555 ## 0.22041 0.22981 0.22981 0.22598 0.22595 0.22159 #te:take-a->take-a 1,1
14555 ## maan distance of poles of 'aiueo' of take and tr:fuku are as follows.
14556 # 0.233495 0.23048 0.22598 0.23649 0.13659 #te:take-a--take-a 1,1
14556 # 0.23041 0.23041 0.23041 0.23041 0.23041 0.23041 0.23041 0.23041 0.23041 0.23041 0.23041 0.23041 0.23041 0.23041 0.23041 0.23041 0.23041 0.23041 0.23041 0.23041 0.23044 0.23044 0.23048 0.25566 0.20159 #te:take-a--take-a 1,1
14556 # 0.23566 0.176238 0.130646 0.021646 0.02168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             14563 cmd='vowelrecogy3 tr:fuku:kita:kosi:sanuki:take:yama te:yama k:9 N:1 m:poles4 dir:../onsei07 rsa:-1: 7:1:20 DiffMode:0 T:100 tt:0:150:150:150 DSP:0 > /dev/null'
14564 ### mean distance of poles of 'aiueo' of yama and tr:fuku are as follows.
14565 # 0:008562* 0:346678 0.257779 0.237559 0.330275 #te:yama-a-yyama-a 1,1
                                                            0.134948 #te:sanuki-a->yama-a
0.221288 #te:sanuki-i->yama-i
                                      tr:fuku are as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ##te:take-aiueo-t150+300 are recognized as aiueo (rate=5/5).###
DiffMode:0 T:100 tt:150:150:150:150 DISP:0 > /dev/null'
                                                               0.210952
                                      poles
```

Page 232

/onsei07 rsa:2:0.7:1/onsei07 rsa:2:0.7:1	./onsei07 rsa:2:0.7:1	./onsei07 rsa:2:0.7:1	./onsei07 rsa:2:0.7:1
te:kita-i->take-i te:kita-u->take-i te:kita-u->take-u te:kita-u->take-u te:kita-u->take-u te:kita-u->take-u '/dev/null' are as follows. te:kosi-a->te:kosi-u->take-u te:kosi-u->take-u '/dev/null' u are as follows. te:sanuki-u->yama-u te:sanuki-u->yama-u te:sanuki-u->yama-u te:sanuki-u->yama-u te:sanuki-u->kita-a '/dev/null' are as follows. te:take-u->kita-a '/dev/null' are as follows. te:take-u->kita-a te:take-u->kita-a te:take-u->kita-a te:take-u->kita-a te:take-u->kita-a te:take-u->kita-a	2-445+2+3=16/30 (3+544+ k:54 N:6 m:poles4 dir: a are as follows. #te:fuku-a-samuki-a #te:fuku-a-samuki-e #te:fuku-a-samuki-e #te:fuku-a-samuki-e #te:fuku-a-samuki-e #te:fuku-a-samuki-e #te:fuku-a-samuki-e #te:fuku-a-samuki-a #te:kita-a-samuki-a #te:kita-a-samuki-	ileo (rate=4/5) ### man tekkoai k:54 N:6 m:poles4 dir:. 71:11:179 > /dev/null' and tr:fuku are as follows. 0.03113 #te:koai-a-xktta-a 0.032981 #te:koai-a-xktta-u 0.03127 #te:koai-a-xktta-u 0.031475 #te:koai-a-sanuki-a 0.03218* #te:koai-a-sanuki-a 100218* #te:koai-a-sanuki-a 100218* #te:koai-a-sanuki-a 100218* #te:koai-a-sanuki-a 100318* #te:sanuki-a-taka-a 0.03327 #te:sanuki-a-taka-a	#re:sanuk. =2/5).### :54 N:6 m :54 N:6 m are as ff #re:take #re:take #re:take #re:take #re:take %).## :54 N:6 m :54 N:6 m
0.059023 0.057376 # 0.059482 # 0.055482 # 0.055426 # 0.055426 # 0.055426 # 0.055426 # 0.055426 # 0.055426 # 0.055426 # 0.055426 # 0.055426 # 0.055426 # 0.055426 # 0.055426 # 0.055426 # 0.05542 # 0.055426 # 0.055426 # 0.055426 # 0.055426 # 0.055426 # 0.055426 # 0.055426 # 0.055426 # 0.055426 # 0.055426 # 0.055426 # 0.055426 # 0.055426 # 0.055402 # 0.055202 # 0.0	veOneOut be:fuku 1.1:179	te:kosi 1.1:117:00 1.1:1117:00 1.1:1117:00 0.031113 0.03123 0.031247 0.031247 0.031247 0.033244 0.0332464 0.0332649	0.031084* 0.031185* 0.031784 0.031864 0.031186* 0.031186* 0.03186* 0.03186* 0.03186* 0.03638 0.03638 0.033108 0.033108 0.033108 0.033108 0.032132 0.029261 0.03212 0.0
055631 0.0 055021* 0.0 059503 0.0 059503 0.0 050303 0.0 07 data control of the co	proved than ###(5)7NO!!!! bagging leaverecogy3 tr:kita:kos!:sanuki:take:yama to 00 tt:150:150:150:150:150:00 mpt.0.771 istance of poles of 'alueo' of fuku and of 0.034921 0.033622 0.034926 0.033628 0.034658 0.034658 0.034658 0.034658 0.034658 0.034658 0.034658 0.034658 0.034657 0.034657 0.034657 0.034657 0.034657 0.034657 0.034657 0.034657 0.034657 0.034657 0.0346	-aliace-Lib50-300 are recognized as allerecogy3 tr:fuku kite; sankliteke; yama 00 tr:155:150:150 DISP: 0 np:0.77 istance f poles of alice of of kosi a poles of poles of alice of of kosi a poles of poles of alice of occasion of occasion o	35311 0.094200 0.031044 34589 0.034249 0.034189 0-t156+300 are recognized as trictuku:kita:kosi:sanuki:yam 50.156:126:126:150 Disp:0 npt:0.7 5533 0.03471 0.035364 30932* 0.035321 0.03586 33147 0.031970* 0.033103 3154* 0.031779 0.032004 31352 0.032771 0.032004 51150+300 are recognized as ai tr:tuku:kita:kosi:sanuki:tak 50:150:150:150:150 Disp:0 npt:0.7 of poles of 'aiueo' of yama
10 10 10 10 10 10 10 10 10 10 10 10 10 1	1,000 1,00	Ees kt.ta.autueo-L150+38 "Yowelrecogy3 tr:ful) "Bo 7:100 tt:150:150: "Bo 4449* 0.032627 0.030417 0.037749* 0.030362 0.03120 0.03040 0.031709 0.03040 0.031709 0.03040 0.031709 0.03040 0.031709 ="Yowelrecogy3 tr:ful) "Yowelrecogy3 tr:ful) "T:100 tt:150:150:150:150:150:150:150:150:150:150	0.93480 0.035311 (0.03531) (0.03531) (0.03531) (0.03531) (0.032688) (0.032688) (0.0326888) (0.0326888) (0.03268888) (0.032688888) (0.0326888888888888888888888888888888888888
######################################	14741 14743 cmd='vowelrec 14743 cmd='vowelrec 12744 ### mean dist 14745 # 0.032046* 14746 # 0.033453 14749 # 0.033620* 14748 # 0.033620* 14750 ###e: ruku-ai 14750 ### mean dist 14752 ## 0.033520 14752 ## mean dist 14753 ## 0.033540 14754 ## 0.033540 14754 ## 0.033540 14755 ## mean dist	######################################	## 0.03 ###te:s Cmd='vo FfMode:0 ####################################

```
# 0.525578 0.358674 0.409994 0.293568 0.465413 #te:kita-e-stake-e
# 0.361517* 0.724536 0.829068 0.879538 0.465413 #te:kita-e-sanuki-a
# # 0.361517* 0.724536 0.829068 0.879538 0.465413 #te:kita-o-sanuki-a
##te:kita-aiuco-t.504300 are recognized as aiuca (rate=4/5) ###
cmd='vowelrecogy3 tr:fuku:kita:sanuki:take:yama te:kosi k:9 N:1 m:M4 dir:../onsei07 rsa:2:0.7:1:20 D
::0 T:100 t::1501:1501:1501:150:150 D:p:07:7:1:1:1:179 > /dev/null'
# ### mean distance of M4 of kosi and tr:fuku are as follows.
# 0.388706* 0.539250 0.548485 0.659585 0.456272 #te:kosi-a->fuku-a
    2:0.7:1:20 DiffMode:0 T:100 tt:0:150:150:150 DISE:0 > /dex/mill/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               14926 #
14927 #
14928 ###
14929 cmd
iffMode:0 T
14930 ###
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14799 ## 0.052100 0.056389 0.052438 0.052438 0.052438 0.052438 0.052408 ##e:iukki-o->iukki-a NG4VT 1,0 14800 ###e:iukki-aiuco-Li50+300 are recognized as auuoa (rate=2/5); ### 14800 ###e:rituku-aiuco-Li50+300 are recognized as auuoa (rate=2/5); ### 0.05100 0.0510 0.05438 0.054384 0.054384 0.054384 0.054384 0.055382 0.054385 ##e:ikita=a-cake=a NG4er 0.1 1.1 1.14804 # 0.059386 0.05384 0.055303 0.060094 0.050385 ##e:ikita=a-cake=a NG4er 0.1 1.1 1.14804 # 0.059386 0.055844 0.055303 0.060094 0.050385 ##e:ikita=a-cake=a NG4er 0.1 1.1 1.14800 ##e:ikita=a-cake=a NG4er 0.055303 0.060094 0.050385 ##e:ikita=a-caketa=a NG4er 0.1 1.1 1.14800 ###e:ikita=a-caketa=a NG4er 0.055304 0.055304 0.055304 0.055303 0.055805 0.055805 0.055804 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055304 0.055
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             14793 cmd-'vowelrecogy3 triluku:kitakosi:sanuk:take;yama te:fuku k:27 N:6 m:poles4 dir:../onsei07 rsa:2:
17:120 Diffbode:0 T:100 tr:0:150:150:160 Disp:0 npt:0.7:1.1:1179 > /dev/nnl1'
14794 ## mean distance of poles of 'aiueo' of fuku and trifuku are as follows.
14795 # 0.053072* 0.05917 0.054793 0.054393 0.053162 #te:fuku-a->fuku-a
14795 # 0.054642 0.05526 0.051065* 0.05730 0.05563 #te:fuku-i>-fuku-u NG4vr 1,0
14797 # 0.055080 0.059770 0.05371* 0.05663 0.056812 #te:fuku-a->fuku-a
1,1
14799 # 0.057087 0.055783 0.05663 0.053183* #te:fuku-a->fuku-a
1,1
14799 # 0.052100* 0.056988 0.052342 0.052342 0.054008 #te:fuku-a->fuku-a NG4vr 1,0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14842 **cmd='vowelrecogy3 tr:fuku:kita:kosi:sanuki:take:yama te:fuku k:27 N:9 m:poles4 dir:../onsei07 rsa: 2:0.77:1:20 DiffMode:0 T:100 tt:0:150:150:150 DISP:0 > /dev/nil'
14844 **## mean distance of poles of 'aineo' of fuku and tr:fuku are as follows.
14845 **## 0.056032* 0.071025 0.071713 0.08850 0.070380 #te:fuku-a->fuku-e
14845 **# 0.051828* 0.052141 0.059199 0.057459* 0.065349 #te:fuku----Fuku-a
14846 **# 0.051828* 0.06220 0.06445 0.062745 0.065948 #te:fuku----Fuku-a
14847 **# 0.062865 0.064274 0.061339 0.058804 0.061728 #te:fuku-e--Fuku-e
14848 **# 0.057965* 0.059714 0.061247 0.058804 0.061152 #te:fuku-o->fuku-e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            14849 **###te:fuku-aiueo-t150+300 are recognized as aeaea (rate=2/5).###
14850 **cmd='vowelrecogy3 tr:fuku/kia.kloai.sanuki:rake:yama te:fuku k:27 N:9 m:poles4 dir:../onsei07 rsa:
13.0.7:11:20 Diffoode:0 T:100 tr:01:150:150:150:150 Diffoode:0 T:10:11:179 > /dev/null.
14851 **### mean distance of poles of 'aiueo' of fuku and tr:fuku are as follows.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  **cmd='vowelrecogy3 tr:fuku:kita:kosi:sanuki:take:yama te:fuku k:27 N:6 m:poles4 dir:../onsei07 rsa:
                                                                                                                                                                                                                                                                                                 SR28/30 VR27/30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #te:fuku-u->fuku-u
         #te:yama-a->sanuki-a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #te:fuku-e->fuku-e
#te:fuku-o->fuku-a
                                                                                                                                                                                                                                                                                                 ###(5+1) bagging LeaveOneOut for speaker recognition with t1=150??
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       **##te:fuku-aiueo-t150+300 are recognized as auuea (rate=3/5).###
                                                                                                                                                                                                          ###te:yama-aiueo-t150+300 are recognized as aieee (rate=3/5).###
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.048701
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.049778 0.047039* 0.047933 0.051547
0.050699 0.047462 0.045755* 0.047163
0.048215 0.048375 0.047057 0.047836
0.027631 0.030038
0.031169 0.033834
0.031861* 0.034559
0.028556* 0.030967
                                                                                                                                                                         0.025096* 0.028425
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.051689 0.048501 0.049400
0.047735 0.042645* 0.044869
                                                                                      0.033130
                                                                                                                                  0.030923
                                                                                                                                                                         0.026893
                                                                                                                                                                         0.025617
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 **# 0.045954*
**# 0.048324
**# 0.049190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         **# 0.048184
**# 0.046911*
    0.027329*
                                           0.032671
0.033068
0.030845
                                                                                                                                                                         0.026742
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                14835
14836
14837
14838
14839
```

2:0.70.71 2:0.70.71 148650 148661 148662 148663		2:0.7:1.10 Diffendes 0 T:10 to 14860 *** ### mean distance 0.14860 *** ### 0.070459 0.07614850 *** ### 0.070459 0.07614862 *** ## 0.070980 0.07614862 *** # 0.070980 0.07614862 *** # 0.069909 0.07614862 *** # 0.069909 0.07614864 *** # 0.064937* 0.065914869 0.07614869 0.076159 0.064931 0.064931 0.064931 0.064931 0.064931 0.064931 0.064931 0.064931 0.064932 0.064933 0.0649	#### mean distance of poles ### mean distance of poles ### mean distance of poles ### 0.070459 * 0.070459 * 0.070450 * 0.0704416 * 0.070980 * 0.0704416 * 0.070980 * 0.0704416 * 0.070980 * 0.0704416 * 0.070980 * 0.0704415 * 0.070980 * 0.0704415 * 0.070980 * 0.0704415 * 0.070980 * 0.0704415 * 0.070980 * 0.0704415 * 0.070980 * 0.074412 * 0.074414 * 0.074414 * 0.074414 * 0.074414 * 0.074414 * 0.074414 * 0.074381 * 0.074381 * 0.074381 * 0.074381 * 0.074381 * 0.074381 * 0.074381 * 0.074381 * 0.074381 * 0.074381 * 0.074381 * 0.074382 * 0.074381 * 0.074382 * 0.074381 * 0.074382 * 0.07	### mean distance of poles of 'aiueo' or 'a' 'a' '0.070459 * 0.076425 0.077542 0.0 '0.07544 0.077544 0.077545 0.07755 0.07757 0.07757 0.07775 0.077777 0.07777 0.07777 0.07777 0.07777 0.07777 0.07777 0.07777 0.07777 0.077777 0.077777 0.077777 0.077777 0.077777 0.077777 0.077777 0.077777 0.077777 0.077777 0.077777 0.077777 0.077777 0.077777 0.077777 0.077777 0.077777 0.0777777 0.077777 0.0777777 0.077777 0.077777 0.077777 0.077777 0.07777	ueo' of full of the property o	ku and triflux are as 66 0.072837 #te:fuku 68 0.072837 #te:fuku 68 0.075558 #te:fuku 29 0.07518 #te:fuku 40.068124 #te:fuku 60.04309 #te:fuku 60.043140 #te:foxi 60.043140 #te:foxi 60.043140 #te:foxi 60.04315 #te:foxi 60.04316 #te:sanuki 60.04319 #te:sanuki 60.04310 #te:sanuki 60.04310 #te:sanuki 60.04310 #te:sanuki 60.04310 #te:sanuki 60.04310 #te:sanuki 60.04310 #te:sanuki 60.04310 #te:sanuki 60.04310 #te:sanuki 60.04310 #te:tuku-a 60.04310 #te:tuku-a 60.04310 #te:tuku-a 60.04310 #te:tuku-a 60.04310 #te:tuku-a 60.04310 #te:tuku-a 60.053410 #te:tuku-a 60.05341	1100 trol15011501150 trol150120 of Carlow of C
14921 iffMode 14922 14923	e:0 T::	= vowelrect :100 tt:150 mean dist	"vowelrecogy3 tr:fuk :100 tt:150:150:150:1 mean distance of M4 :587487* 1.009897	u:kosi:sanu 50 DISP:0 n of kita and 0.983023	cmd='vowelrecogy3 tr:fuku:kosi:sanuki:take:yama te:kita k:9 N:1 m:M4	ama te:kita k:9 N:1 1:1:179 > /dev/null are as follows. 0.873380 #te:kii	:9 N.11 m:M4 dir:/onsei07 rsa:2:0.7:1:20 D Vnull, #te:kita-a->kosi-a
14924 14925 14926	###	0.805538 0.615258 0.525575	0.308058* 0.700063 0.358674	0.511738 0.458601* 0.409994	*	0.720539 0.581688 0.479824	#te:kita-i->kosi-i #te:kita-u->take-u #te:kita-e->take-e

readmecan2mspeech.txt Dec 05 2019 13:52:41

Page 236

```
tf=0:t1=1000:tt='expr ${tf} + ${t1}\':pf=$tt:p1=200:pt='expr ${pf} + ${p1}\' # NG for take-1
t=0:t1=1000:tt='expr ${tf} + ${t1}\':pf=$tt:p1=100:pt='expr ${pf} + ${pf} + ${p1}\' # NG for take-1
t=refr=10:t1:20 k=10 N=N:33-331 mp=mp:11:10 NP=DiffNode:0 H=Hose:11 g=9:5e-3 w=w:0.2 T=100 ; t
#ram=refr=10:7:11:20 k=10 N=N:33-331 mp=mp:11:10 NP=DiffNode:0 H=Hose:11 g=9:5e-3 w=w:0.2 T=100 ; t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         # #ff=0;tl=200;tt=-expx ${tf} + ${t1}, *pf=$tt;pl=200;pt='expx ${pf} + ${pl}, # NG for take-i pl=200 # tf=0;tl=200;tt=-expx ${tf} + ${tl}, *pf=$tt:pl=200;pt='expx ${pf} + ${pl}, # NG for take-i pl=200 # tf=150;tl=160;tt=-expx ${tf} + ${tl}, *pf=$tt:pl=300;pt='expx ${pf} + ${pl}, # NG for take-i pl=200 tf=150;tl=160;tt=-expx ${tf} + ${tl}, *pf=$tt:pl=200.pt='expx ${pf} + ${pl}, # NG for take-i pl=200 tf=0:11=1000;tt=-expx ${tf} + ${tl}, *pf=$tt:pl=200.pt='expx ${pf} + ${pl}, # NG for take-i pl=200 tf=0:7:120 k=24 N=6 mp=mp:11:1 DM=DiffMode of Helosei1. g=5.5=3 N=w0. 2 T=100 *date degrees to the start of the st
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                rsa=rsa:-1:0.7:1:20 k=54 N=33 mp=mp:1:1:1 DM=DiffMode:0 H=Hosei:1 g=g:5e-3 w=w:0.2 T=100 ; to=${frt1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            op result-ensrs2ge/predictDM0:\$pf-\$pt.dat.../onsei07/predictDM0:rsa-1k<math>\$\{k\}N\$\{k\}t\$\{pf\}-\$\{pt\}-\$name-\$vonsei07/predictDM0:rsa-1k<math>\$\{k\}N\$\{n\}t\$\{pf\}-\$\{pt\}-\$name-\$vonseinf
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          k54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #MSE=3.178998e+05(NMSE3.661630e-01)(n200) 0-1000:1000-1200k27N9mp1:1:1.000000H1-y take-i p1=200 k27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               k27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       k27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        k27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  result-ensrs2ge/predictDM0:\$pf-\$pt.dat .../onsei07/predictDM0:k\$\{k\}N\$\{N\}t\$\{pf\}-\$\{pt\}-\$name-\$v.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #MSE=9.701686e+04(NMSE1.117458e-01)(n200) 0-1000:1000-1200K54N6mp1:1:1.000000H1-y take-a p1=200 k54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #MSE=2.869175e+03(NMSE1.136130e-01)(n200) 0-1000:1000-1200K54N6mp1:1:1.000000H1-y take-i p1=200 k54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        take-u pl=200 k54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #MSE=5.607885e+04(NMSE2.537761e-01)(n200) 0-1000:1000-1200K54N6mp1:1:1.000000H1-y take-e p1=200 K54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                take-u pl=200 k27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          than k27
#MSE-4.532805e+03(NMSE2.535189e-02)(n200) 0-1000:1000-1200k54N6mpl:1:1.000000H1-y take-o pl=200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #MSE=7,754112e+03(NMSE3.070457e-01)(n200) 0-1000:1000-12000k27N6mpl:1:1.000000H1-y take-i pl=200 MFMSE=7,754112e+04(NMSE3.50786-01)(n200) 0-1000:1000-12000k7N6mpl:1:1.000000H1-y take-i pl=200 MFMSE=7,742709e+04(NMSE3.503842e-01)(n200) 0-1000:1000-12000k27N6mpl:1:1.000000H1-y take-e pl=200 MFMSE=7,742709e+04(NMSE3.503842e-01)(n200) 0-1000:1000-12000k27N6mpl:1:1.000000H1-y take-e pl=200 MFMSE=1,649875e+05(NMSE3.850680e-01)(n30) 150-300:300-330k27N6mpl:1:1.000000H1-y take-a MFMSE=3.608968e+04(NMSE1.246034e-01)(n30) 150-300:300-330k27N6mpl:1:1.000000H1-y take-a MFMSE=3.608968e+04(NMSE1.246034e-01)(n30) 150-300:300-330k27N6mpl:1:1.000000H1-y take-a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               take-i p1=200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    take-o p1=200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #MSE=3.979184e+05(NMSE4.583299e-01)(n200) 0-1000:1000-1200k27N6mp1:1:1.000000H1-y take-a p1=200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0-1000:1000-1100k10N33mp1:1:1.000000H1-y take-i with 0-1000:1000-1100k9N33mp1:1:1.000000H1-y take-i with
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 rsa=rsa:-1:0.7:1:20 k=9 N=33 mp=mp:1:1:1 DM=DiffMode:0 H=Hosei:1 g=g:5e-3 w=w:0.2 T=100 ; rsa=rsa:-1:0.7:1:20 k=10 N=33 mp=mp:1:1:1 DM=DiffMode:0 H=Hosei:1 g=g:5e-3 w=w:0.2 T=100 ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #MSE=2.967348e+04(NMSE7.758390e-02)(n200) 0-1000:1000-1200K54N6mp1:1:1.000000H1-y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               \#MSE=8.510318e+03(NMSE3.36989e-01)(n200) \ 0-1000:1000-1200k27N9mp1:1:1.0000000H1-y=0.510318e+03(NMSE3.369898e-01)(n200)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                \#MSE=1.192796 \\ e+04 \\ (NMSE3.118669 \\ e-02) \\ (n200) \\ 0-1000 \\ :1000 \\ -1000 \\ :1200 \\ ROB_{-1} \\ :1.0000001 \\ 1200 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -1000 \\ -100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0-1000:1000-1200k27N9mp1:1:1.000000H1-y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0-1000:1000-1200k27N9mp1:1:1.000000H1-y
                                                                                                                                     # 0.500390 0.505047 0.483657* 0.500991 0.495097 #te:yama=u-xkosi-u-
# 0.900560 0.901550 0.901952 0.841920* 0.8951050 #te:yama=e-xkosi-e
# 1.008748* 1.082582 1.056588 1.081597 1.033543 #te:yama-o-xkita-a
###te:yama-aiueo-t150+300 are xecognized as aiuea (xate=4/5).###
                                    0.666491
0.634471
0.495097
0.895105
1.033543
* 0.723962 0.713500

* 0.615060 0.614786 0.70

/ 0.48867* 0.850991 0

0.901952 0.841320* 0
                                                                                                                                                                                                                                                                                                                                                                                                                ###(8) Single CANZ for long prediction
for name in take; do for v in a i u e o; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #MSE=5.457008e+04(NMSE2.090280e+00)(n100)
#MSE=3.857337e+04(NMSE1.477534e+00)(n100)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NG fo take-i and take-e with k=9,10,27,54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #MSE=9.706418e+03(NMSE5.428780e-02)(n200)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ф
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   for name in take ; do for v in e;
rm -rf result-ensrs2ge/tmp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       echo "### Done for $cmd ###"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         echo "### Done for $cmd ###'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -rf result-ensrs2ge/tmp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ###(9) bagging predictions
                                                                                          0.573733*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          d="../onsei07"
                                                                                                                                                                                                                                                                                                                                                                                                                ###(8) Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      not so good?for t>100
15057 #MSE=8.510318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          done done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   done done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             than k27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               than k27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              than k27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               СĎ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               o=${frt1}
15020 rs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            t>100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  15023
0:0:0:0
15024
15025
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               15031
15032
15033
15034
15036
15036
15039
15040
15040
15041
15042
15043
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   good
15058
                                                                                          15007
15008
15009
15010
15011
15012
15014
15016
15016
15017
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               worse th
15053
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       better t
15055
15056
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15045
15046
v.dat"
15047
15048
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          better
15054
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .dat
15026
15027
15028
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 good
15051
beter t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15052
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             15059
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15061
15062
15063
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15021
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           15030
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          15050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             15064
```

15067 15068 15069

```
| 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15071 | 15072 | 15072 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 15073 | 1507
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        15129 d=.../onsei07 # the directory storing the onsei-data files
15130 ra==ssa=-10.7:1:20 ke > Na. mempi::::I DM=DiffMode: I ges:5e-3 w=w:0.2 T=100;
15131 tf=100:10=2000:tte=expr & [tf] + $ [tf] * [
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15117 ##now executing 070207 finished
15118 #MSE=3.103290e+04(NMSE6.284037e-01)(n50) 800-1600:1600-1650k54N6mp1:1:1.000000H1-y s-taka-a good onl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #MSE=9.183176e+02(NMSE3.631833e-01)(n50) 800-1600:1600-1650k54N6mp1:1:1.000000H1-y s-taka-u good onl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #MSE=4.709621e+03(NMSE2.866689e-01)(n50) 800-1600:1600-1650K54W6mpl:1:1.000000H1-y s-taka-e good onl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #MSE=9.486100e+01(NMSE1.193815e-01)(n50) 800-1600:1600-1650k54N6mp1:1:1.000000H1-y s-taka-o good onl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cp result-ensrs2ge/predictDM0:$pf-$pt.dat ../onsei07/predictDM0:k${k}N${N}t${pf}-${pt}-$name-$v.dat
echo "### Done for $cmd ###"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #MSE=5.016779e+02(NMSE6.303207e-01)(n50) 800-1600:1600-1650k54N6mp1:1:1.000000H1-y
#MSE=2.411451e+03(NMSE8.761330e-03)(n30) 150-300:300-330k27N6mp1:1:1.000000H1-y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15124 #MSE=5.450605e+04(NMSE9.773647e-01)(n100) 0-800:800-900k54N6mp1:1:1.000000H1-y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   \begin{split} &\#f=``, / \& \{d\} / s - S \{ name \} - NS \{N\} t \& \{tf\} - \& \{tt\} p \& \{pt\} - \& \{pt\} - S \{tv\} \} \\ &\#f=` \& \{d\} / s - N \& \{N\} t \& \{tf\} - \& \{tt\} p \& \{pf\} - \& \{pt\} - \& \{name\} - \& \{v\} \} \\ &f=` \& \{d\} / s - \& \{name\} - \& \{v\} \} \end{split} 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ictDMO:$k-${pt}.dat"
|awk '{print $3-$1}' > ../${f}.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            p="predictDM0:${pf}-${pt}.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #p="predictDM0:$k-${pt}.dat"
cat ${p} |awk '{print $3-$1}'
##for display error from here
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               done done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            y 30steps
15119 #M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       y 30steps
15120 #M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           y 30steps
15121 #M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      y 30steps
15122 #M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 y 30steps
15123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           v.dat"
15114
```

```
15214 cmd='vowelrecogy3 tr:s-fuku:s-kita:s-kosi:s-sanuki:s-take:s-yama te:s-kita k:54 N:6 spkr:1 m:poles4 dir:../onsei07 rsa:2:0.7:1:20 DiffMode:0 T:100 tt:0:800:800 DISP:0 > /dev/null'
      pause -1 "Hit return key to quit"
t return key to quit"
                        -e gnuplot -geometry 300x210 disp.plt&
cat > disp.plt <eEDF
#plot "../${f}.dat" using 0:(\\33-\\$1) t "../${f}" w lp; pan
plot "../${f}.dat" using 0:1 t "${f}" w lp; pause -1 "Htt >
                                          echo "### Done for ${f}.dat ###"
                        xterm -geometry 50x5-0+0 -e c_{1}
                                                       #### making s(t) to here.
```

Dec 05 2019 13:52:41 **readmecan2mspeech.txt**

Page 240

15314 cmd="vovelrecogy3 tr:s-tuku:s-kttais-kcosi:s-aanuki te:s-kttaik; p N:1 spkr:1 m:N4 dir:

./onsei07 res-1.07 riz Obfitch00d = krita and tr:s-fuku as follows
15315 d modistance of M4 of s-kita and tr:s-fuku as follows
15316 d 0.060011* 0.108397 0.11300 bifch00d:0 0.110141 dres-kita-s-s-kita-a
15315 d 0.060011* 0.08397 0.11300 pifch00d:0 0.110141 dres-kita-a-s-kita-a
15318 d 0.081991 0.088415 0.076954 0.11367 d des-kita-a-s-kosi-a-0 NGB NGV 0.0
15319 d 0.02937 0.029329 0.068109 0.076955 0.110141 dres-kita-a-s-kosi-a-0 NGB NGV 0.0
15319 d 0.024397 0.20562 0.25720 0.058812 0.110367 d des-kita-a-s-kosi-a-0 NGB NGV 0.0
15321 d deservation-aliac-aB0011-8 d deservation-a-s-kita-a-s-kosi-a-0 NGB NGV 0.0
15321 d deservation-aliac-aB001-1600 d deservation-a-s-kita-a-s-kosi-a-0 NGB NGV 0.0
15322 d deservation-aliac-aB001-1600 d deservation-a-s-kita-a-s-kosi-a-0 NGB NGV 0.0
15323 d deservation-a-s-kita-a-kcosi-a-aanuti-s-tak-a-s-kosi-a-s-kita-a-b-kosi-a-aanuti-s-kita-a-kcosi-a-aanuti-s-des-kosi-a-s-kosi-a--kita-a-kcosi-a-aanuti-s-tak-a-s-kosi-a-s-kosi-a--kita-a-kcosi-a-aanuti-s-tak-a-s-kosi-a-s-kosi-a--kita-a-kcosi-a-aanuti-s-des-kosi-a-s-kita-a--kcosi-a--kita-a-kcosi-a--kosi-a--kita-a-kcosi-a--kosi-a--kita-a--kcosi-a--kita-a--kcosi-a--kita-a--kcosi-a--kita-a--kcosi-a--kita-a--kcosi-a--kita-a--kcosi-a--kita-a--kcosi-a--kita-a--kcosi-a--kita-a--kcosi-a--kita-a--kcosi-a--kita-a--kcosi-a--kita-a--kcosi-a--kita-a--kcosi-a--kita-a--kcosi-a--kita-a--kcosi-a--kita-a--kcosi-a--kita-a--kcosi-a--kita-a--kcosi-a--kita-a--kcosi 15289 cmd='vowelrecogy3 tr:s-fuku:s-kita:s-kosi:s-sanuki:s-yama te:s-take k:9 N:1 spkr:1 m:M4 dir:../onsei 15291 ## mean distance of M4 of s-take and tr:s-fuku area si followa. 15291 # 0.069022 0.076832 0.058749* 0.070518 0.081883 #te:s-take-a-xs-fuku-u 15293 # 0.133683 0.134168 0.115423 0.095994* 0.10551* #te:s-take-i-xs-yama-e 15294 # 0.05847 0.048165* 0.056038 0.071561* #te:s-take-i-xs-yama-e 15294 # 0.05847 0.048165* 0.056038 0.073163 #te:s-take-s-xs-ranuki-o SR20/30 VR27/30 m:poles4 dir:../o N:1 spkr:1 m:M4 dir:. dir: spkr:1 m:M4 cmd='vowellecogy3 tr:s-fuku:s-kttas-kosi:s-sanuki:s-take:s-yama te:s-fuku k:9 N:1 spkr:7 xs3:-1.07 xs3:-1.07 ptf0000 158p.0 > /dev/null'

mean distance of M4 of s-fuku and tr:s-fuku are as follows

0.052755 to 0.41368 0.098230 0.050398 0.087069 ##e:s-fuku-a-s-yama-i NGs NGv

0.05491 0.051208 0.097324 0.097339 0.120336 ##e:s-fuku-i-ss-fuku-i

0.05491 0.051208 0.097324 0.035638 0.079330 #te:s-fuku-u-ss-take-e NGs NGv

0.05491 0.051208 0.057324 0.035638 0.079331 #te:s-fuku-u-ss-take-e NGs NGv

0.052057 0.057787 0.055634 0.036010* 0.05197 #te:s-fuku-c-s-take-e NGs NGv

###te:s-fuku-alueo-t800+1600 are recognized as ileee (rate=2/5).### cmd='vowelrecogy3 tr:s-kita:s-kosi:s-sanuki:s-take:s-yama te:s-fuku k:9 N:1 spkr:1 sa:-1:0.7:1:20 DiffMode:0 T:100 tt:0:800:800 DISP:0 > /dev/null' #te:s-yama-a->s-sanuki-a ##te:s-yama-u->s-yama-u-yama-u->s-yama-u-ya ###tes=cake-aiuso-t800+1600 are recognized as useio (rate=1/5).###
###tes=cake-aiuso-t800+1600 are recognized as useio (rate=1/5).###
noan distance of M4 of s-yama and tr:s-fuku are as follows.
noan distance of M4 of s-yama and tr:s-fuku are as follows.
noan distance of M4 of s-yama and tr:s-fuku are as follows.
noan distance of M4 of s-yama and tr:s-fuku are as follows.
noan distance of M4 of s-yama and tr:s-fuku are as follows.
noan distance of M4 of s-yama and tr:s-fuku-o
noan distance of M5 of season and trians distance and trians distance of season are as follows.
noan distance of M5 of season are recognized as asoui (rate=1/5).#### 0.081883 #te:s-take-a->s-take-a 0.071561 #te:s-take-i->s-take-i 0.118939 #te:s-take-u->s-take-u 0.097053 #te:s-fuku-a->s-yama-i 0.133079 #te:s-fuku-i->s-kita-a 0.095917 #te:s-fuku-u->s-take-e 0.105723 #te:s-yama-a->s-yama-a 0.107119 #te:s-yama-i->s-yama-a 0.078570 #te:s-yama-u->s-yama-u #te:s-take-e->s-kita-i #te:s-fuku-e->s-take-i #te:s-fuku-o->s-take-i cmd='vowelrecogv3 tr:s-fuku:s-kita:s-kosi:s-sanuki:s-take:s-yama te:s-yama k:9 0.021890 0.066541 0.086526 0.071561 #te:s-take-i--5s-take 0.021890 0.066548 0.095998 0.0118939 #te:s-take-u--ss-take 0.048165* 0.056398 0.073534 #te:s-take-u--ss-take 0.048165* 0.056398 0.073534 #te:s-take-u--ss-take 0.048165* 0.0480 0.048163* 0.0480 0.048163* 0.0480 107 rsa:-1:0.7:120 DiffMode:0 T:100 tt:0:800:800 DISP:0 > /dem/mull."
mean distance of M4 of s-yama and tr:s-fuku are as follows.
0.01620* 0.103215 0.11550 0.09944 0.105723 #te:s-yama-a->
0.076356* 0.082156 0.099869 0.094629 0.107119 #te:s-yama-1->
0.114382 0.0781745 0.072691* 0.088809 0.078570 #te:s-yama-1-> 15340 # 0.046336* 0.076832 0.058749 0.070192 0.081883 #te:s-take-15441 # 0.084545 0.021890* 0.095541 0.085526 0.071561 #te:s-take-15542 # 0.133468 0.134168 0.056568* 0.093998 0.18939 #te:s-take-15543 # 0.059584 0.048165* 0.056038 0.053889 0.073534 #te:s-take-15543 # 0.048109 0.422359 0.056274 0.473513 0.129091* #te:s-take-15545 ##te:s-take-aineo-t8004-1600 are recognized as aiui (rate=4/5) ### 15345 cmd= vowelzeo-0393 tr:s-fuku:s-kies:s-kosi:s-samuki:s-take-is-1545 ### 15346 cmd= vowelzeo-0393 tr:s-fuku:s-kies:s-kosi:s-samuki:s-take-is-1548 vowelzeo-0393 tr:s-fuku:s-kosi:s-samuki:s-take-is-take-is-1548 vowelzeo-0393 tr:s-fuku:s-kosi:s-samuki:s-take-is-take-is-1548 vowelzeo-0393 tr:s-fuku:s-kosi:s-samuki:s-take-is-t ### mean distance of poles of 'aiueo' (11'+1) vowel+speaker recog M4,k9N1 0.091947* 0.073170 0.147686 ./onsel07 ### 15309 # 15309 # 15310 # 15311 # 15311 # 15313 ### ./onsei07 xx 15347 ### 15348 # # 15348 # 15350 # 15351 # 15353 ### 15353 ### 15354 CII 15354 CII 15356 cmc rsa: 15291 15292 15293 15294 15294 15296 15296 15297 15393 15302 15303 15304 15304 15304 15304 15304

²age 242

| 15.50 | Control (Control (Co cmd='vowelrecogy3 tr:s-fuku:s-kita:s-kosi:s-sanuki:s-tak:s-yama te:s-take k:9 N:1 m:poles4 dir:../orras:-1:0.7:1:20 DiffMode:0 T:100 tt:0:800:800 DISP:0 > /dev/null' 0.075740* #te:s-sanuki-o->s-kosi-o 0,1 ###te:s-sanuki-aiueo-t800+1600 are recognized as iiuio (rate=3/5).### 0.208417 0.211381 15436 # 0.164903 15437 ###te:s-sanu 15438 cmd='vowelre

Dec 05 2019 13:52:41

readmecan2mspeech.txt

### mean distance of poles of 'alueo' of s-kita and tris-fuku are as follows. 15513 ### mean distance of poles of 'alueo' of s-kita and tris-fuku are as follows. 15514 # 0.144702 0.165934 0.126193 0.126745 0.169434 #feeis-kita-i->s-kita-i-0.1001 15515 # 0.147703 0.165934 0.126193 0.126712* #feeis-kita-i->s-s-kita-e-1.1 15516 # 0.117703 0.165934 0.126193 0.160712* #feeis-kita-i->s-sanuki-0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.	oles4,bag,N27 (1+2+2+2+1+2)/30=10/30=0.333 nuki:s-take:s-yamate:=-fuku k:27 Ni6 spkr:1 m:poles4 dir:/onsei 10030:800 Disp:0 npt:0.71.1.11:19 > /dev/null 10.05926 0.059314 #te:s-fuku-a-s-sanuki-i 0.05926 0.059313 #te:s-fuku-a-s-sanuki-i 0.05926 0.059313 #te:s-fuku-a-s-sanuki-i 0.05926 0.059313 #te:s-fuku-a-s-sanuki-i 0.05936 0.059313 #te:s-fuku-a-s-sanuki-i 0.05936 0.059314 #te:s-fuku-a-s-sanuki-i 0.05936 0.05936 #te:s-fuku-a-s-sanuki-i 0.05936 0.05936 #te:s-fuku-a-s-sanuki-i 0.05936 0.05936 #te:s-fuku-a-s-sanuki-i 0.05936 0.05936 #te:s-fuku-a-s-sanuki-i 0.059318 0.05532 #te:s-kita-a-s-sanuki-i 0.059319 0.05532 #te:s-kita-a-s-sanuki-i 0.059310 0.05532 #te:s-kita-a-s-sanuki-i 0.059310 0.055312 #te:s-kita-a-s-sanuki-i 0.051170 0.05938 #te:s-kita-a-s-skoi-e 0.05114 0.05938 #te:s-kita-a-s-skoi-e 0.05114 0.05938 #te:s-kita-a-s-skoi-e 0.05114 0.05938 #te:s-kita-a-s-skoi-e 0.05114 as aaeai (rate-2/): ### 10.05938 0.05938 #te:s-kosi-a-s-kita-o 0.05938 0.05938 #te:s-kosi-a-s-kita-o 0.059310 0.05939 #te:s-sanuki-a-s-kosi-e 0.059310 0.05934 #te:s-kiku are as follows. 0.059312 0.05944 #te:s-kiku are as follows. 0.059319 0.05939 #te:s-kosi-a-s-kosi-e 0.059319 0.05939 #te:s-kosi-a-s-kosi-e 0.059319 0.05939 #te:s-kosi-a-s-kosi-e 0.059319 0.05934 #te:s-kiku are as follows. 0.059319 0.05934 #te:s-kika-a-s-kosi-e 0.059319 0.05944 #te:s-kika-a-s-kosi-e 0.059319
kita and tr:s-fu 10.084943 #t 10.084943 #t 10.084765 #t as auceo (rate- kosi and tr:s-fu 10.035047 #t 10.035047 #t 10.035047 #t 10.035047 #t 10.035047 #t 10.035047 #t 10.035047 #t 10.035047 #t 10.035047 #t 10.035047 #t 10.035040 #t 10.03	Doles4,bag,N27 (1+2+2+2+1+2)/30=10 00:800 DISPS: 0 pue: 0.7:1.1:179 00:800 DISPS: 0 pue: 0.7:1.1:179 00:800 DISPS: 0 pue: 0.7:1.1:179 00:80250 00:89314 #tess-fuku 0.05932 00:89314 #tess-fuku 0.05934 00:89933 #tess-fuku 0.05934 00:899393 #tess-fuku 0.059312 00:60389 #tess-fuku 0.053018 00:60120 #tess-fuku 0.053018 00:055125 #tess-fuku 0.053018 00:055126 #tess-fuku 0.05312 00:055126 #tess-fuku 0.05312 00:05532 #tess-fuku 0.05312 00:05532 #tess-fuku 0.05312 00:05532 #tess-fuku 0.05130 00:05429 #tess-fuku-are as no.05439 00:05429 #tess-fuku 0.05432 00:05638 #tess-fuku-are as no.05863 00:05438 #tess-fuku 0.05663 00:059343 #tess-fuku-are as no.05663 00:05438 #tess-fuku 0.056312 00:05438 #tess-fuku 0.056313 00:05438 #tess-fuku 0.056318 00:05438 #tess-fuku 0.056318 00:05530 #tess-sanuk 0.056318 00:05530 #tess-sanuk 0.053018 00:05530 #tess-sanuk 0.055308 00:05530 #tess-sanuk 0.055312 00:05530 #tess-sanuk 0.055312 00:05530 #tess-sanuk 0.055312 00:05530 #tess-sanuk 0.055312 00:05344 #tess-sanuk 0.055312 00:05344 #tess-sanuk 0.050119 00:05844 #tess-take 0.050112 00:05844 #tess-take 0.050112 00:05844 #tess-take 0.050112 00:05844 #tess-take 0.050112 00:05944 #tess-take 0.050112 00:05944 #tess-take 0.050112 00:05944 #tess-take
138 0.061745 0.007745 0.007381 0.00745 0.003381 0.034539 0.093287 2.003362 0.034539 0.034539 0.027097 0.034539 0.007 0.027243 0.027242 0.027242 0.027242 0.027242 0.027242 0.027242 0.027242 0.027242 0.027242 0.027242 0.027242 0.027242 0.027242 0.027242 0.0	ith poles4,bag,N2 is-sanuk:s-take: 10:800:800:800 DI valueo, of s-fuk 1972 0.059926 8973 0.059926 8854 0.053924 8930 0.06017 7773* 0.05949 8405 0.053018 405 0.053018 405 0.053018 87125 0.051125 8726 0.053018 8726 0.053018 8726 0.053018 8726 0.053018 8727 0.053018 8727 0.053018 8727 0.053018 8727 0.053018 8727 0.053018 8727 0.053018 8727 0.053018 8727 0.0533018 8727 0.0533018 8727 0.0533018 8727 0.0533018 8727 0.053318
10.085524 0.061138 0.056527 0.0555727 0.055727 0.055727 0.055727	stracognition with positive and reach recognition with positive and the following strace of poles of 'aiu (1058799* 0.058703* 0.058703* 0.058703* 0.058703* 0.057773* 0.058703* 0.057384 0.057773* 0.058384 0.057738* 0.058384 0.058386 0.058389 0.058389 0.058389 0.058389 0.058389 0.058389 0.058389 0.05899 0.05999
### mean distance ## 0.044812* 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(11''') speach recognition with poles4 * vowelrecogy3 tr:s-kita:s-koai:s-sanuki: 3:2:0.71:120 DiffMode: 0 T:100 tt:0:800:800 * # 0.063031 0.058799* 0.061972 0.0 # 0.063038 0.058462* 0.063973 0.0 # 0.063031 0.058150* 0.058454 0.0 # 0.059291 0.058150* 0.058454 0.0 # 0.059291 0.058150* 0.058450 0.0 # # 0.059295 0.05384 0.058450 0.0 # # 0.057445 0.05349 0.054305 0.0 # 0.057445 0.057495 0.054305 0.0 # 0.05241 0.05349 0.054305 0.054305 0.0 # 0.05241 0.05349 0.056455 0.0 # 0.05241 0.057490 0.056455 0.0 # 0.05241 0.057490 0.056450 0.056450 0.0 # 0.05240 0.056909 0.056645 0.0 # 0.05240 0.05690 0.056645 0.0 # 0.05210 0.05697 0.056645 0.0 # 0.05210 0.05697 0.056490 0.056640 0.0 # 0.06210 0.05697 0.056490 0.056640 0.0 # 0.06213 0.05699 0.056640 0.056640 0.0 # 0.06213 0.05699 0.056640 0.056640 0.0 # 0.052130 0.055940 0.055490 0.055490 0.0 # 0.052230* 0.05694 0.05649 0.056490 0.0 # 0.052230* 0.05694 0.05649 0.056490 0.0 # 0.052230* 0.05694 0.05649 0.056490 0.0 # 0.052230* 0.05694 0.05649 0.056490 0.0 # 0.055231 0.05694 0.05644 0.05694 0.0 # 0.052231 0.05694 0.05694 0.05694 0.0 # 0.052231 0.05694 0.05694 0.05694 0.0 # 0.052231 0.05694 0.05694 0.05694 0.0 # 0.052231 0.05694 0.05694 0.05694 0.0 # 0.052231 0.05694 0.05694 0.05694 0.0 # 0.052231 0.05694 0.05694 0.05694 0.0 # 0.052231 0.05694 0.05694 0.05694 0.0 # 0.052231 0.05694 0.05694 0.05694 0.0 # 0.052231 0.05694 0.05694 0.05694 0.0 # 0.05731 0.05694 0.05694 0.05694 0.0 # 0.05731 0.05694 0.05694 0.05694 0.0 # 0.05731 0.05694 0.05694 0.05694 0.0 # 0.05731 0.05694 0.05694 0.05694 0.0 # 0.05731 0.05694 0.05694 0.05694 0.0 # 0.05731 0.05694 0.05694 0.05694 0.0 # 0.05731 0.05694 0.05694 0.05694 0.0 # 0.05731 0.05694 0.05694 0.05694 0.0 # 0.05731 0.05694 0.05694 0.05694 0.0 # 0.05677 0.05694 0.05694 0.05694 0.0 # 0.05677 0.05694 0.05694 0.05694 0.0 # 0.05677 0.05694 0.05694 0.05694 0.0 # 0.05677 0.05694 0.05694 0.05694 0.0 # 0.05677 0.05694 0.05694 0.05694 0.0 # 0.05731 0.05694 0.05694 0.05694 0.0 # 0.05731 0.05694 0.05694 0.0569
155113 ## [155114 ## [155116 ## [155116 ## [155116 ## [155117 ## [155118 ## [155118 ## [15521 ## ## [15521 ## [15521 ## ## [15521 ## ## [15521 ## ## [15521 ## ## ## [15521 ## ## ## [15521 ## ## ## ## [15521 ## ## ## ## [15521 ## ## ## ## ## [15521 ## ## ## ## ## ## ## ## ## ## ## ## ##	15553 (11) 15553 (11) 15553 (11) 15553 (11) 15555 ### ### ### ### ### ### ### ### ##

	n:poles4 dir:. - cr:1 m:poles4 //null'	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1
	r:1 rr:1 r/mul][6 sp}/dev/0,0	
0.054091 0.053922 0.056791 0.053204* 0.055426 #te:s-take-e->s-kosiee 0.057869 0.057300 0.057246 0.0554667* 0.055797 #te:s-take-e->s-kosiee 0.057869 0.057300 0.057246 0.056467* 0.056797 #te:s-take-o->s-kosiee #mean discance of poles of "aiveo" of "s-yama and tr:s-tuku are as follows. 0.050739* 0.051613 0.052917 0.051140 0.054995 #te:s-yama-a->s-take-a 0.050739* 0.051613 0.055634 0.056124 #te:s-yama-i->s-kosie 0.057411 0.057123 0.055684 0.05512* 0.057044 #te:s-yama-i->s-kosie 0.057411 0.057123 0.055684 0.0556484 #te:s-yama-i->s-kosie 0.054403 0.054038 0.056684 0.055026* 0.056484 #te:s-yama-i->s-kosie 0.054403 0.05704 #te:s-yama-e->s-kosie 0.054403 0.05704 #te:s-yama-e->s-kosie 4.05704 #te:	1559 (111'''+1) vowel+speaker recognition with poles4, bag, N27	mean distance of poles of 'aineo' of s-kita and tr:s-fuku are as follows. 0.048674* 0.053495 0.054350 0.053108 0.056120 #te:s-kita-a-s-kita-a-1 0.051408 0.051408 0.051408 0.051408 0.051408 0.05445 0.054305 0.053125 0.055124 #te:s-kita-a-s-s-kosi-a-1 0.057445 0.058265 0.057125 0.055124 #te:s-kita-a-s-s-kosi-a-1 0.05549 0.055409 0.055600 0.05745 0.05408 #te:s-kita-a-s-s-kosi-a-1 0.05549 0.055609 0.056645 0.054129 0.054702 #te:s-kita-a-s-s-kita-a-1 0.05549 0.054089 0.056645 0.054129 0.053700* #te:s-kita-a-s-s-kita-a-1 0.05549 0.055094 0.056645 0.054129 0.053700* #te:s-kita-a-s-s-kita-a-1 0.052972* 0.055094 0.056670 0.054734 0.053700* #te:s-kosi-a-s-kosi-a-1 0.066125 0.054029 0.055656* 0.058603 0.058261 #te:s-kosi-a-s-kosi-a-1 0.066121 0.059879 0.055656* 0.058603 0.058261 #te:s-kosi-a-s-kosi-a-1 0.066121 0.059879 0.055565* 0.058603 0.058261 #te:s-kosi-a-s-kosi-a-1 0.066121 0.054028* 0.055656* 0.058603 0.058261 #te:s-kosi-a-s-kosi-a-1 0.05412* 0.055614 0.053700* #te:s-kosi-a-s-kosi-a-1 0.05412* 0.055614 #te:s-kosi-a-s-kosi-a-1 0.05412* 0.055614 0.053700* #te:s-kosi-a-s-kosi-a-1 0.05412* 0.055014 #te:s-kosi-a-s-s-kosi-a-1 0.05501* 0.
0.055426 0.058797 eeeee (ra a and tr:s 0.060102 0.057044 0.056484 0.056484	84,bag,N27 8-take:8-y :800 DISP: NNKi:8-tak 0:800:800 u and tr:8 0.059914 0.059510 0.059550 0.059550	a and tris- 0.055124 0.055124 0.055164 0.0553700* a alee (rat i and tris- 0.058105 0.058105 0.058105 0.058106 0.058261 0.055041 0.055041 and tris- 0.055041 0.055041 0.055041 0.055041 0.055041 0.055041 0.055061
0.053204* 0.05467* 0.05467* 0.05467* 0.051140 0.0554128* 0.053026* 0.053026*	11'''+1) vowel+speaker recognition with poles owelrecogy tr:s-fikus:s-ktas:s-koss:s-asmiki:s tras:2:0.771:20 DiffMode:0 T:100 tt:0:800 mG='vowelrecogy3 tr:s-fikus:s-ktas:s-koss:s-asmico' ras:2:0.771:20 DiffMode:0 T:100 tt:0:800 mG='vowelrecogy3 tr:s-fikus:s-ktas:s-koss:s-asmico' ras:2:0.771:20 DiffMode:0 T:100 tt:0:800 0.05802 0.058929 0.068929 0.068929 0.068929 0.069929 0.059929 0.059939 0.059939 0.059939 0.059939 0.058939 0.059939 0.058939 0.058939 0.05993	## mean distance of poles of 'aineo' of s-kita and tr:s-fubu are a 0.048574* 0.053495 0.054350 0.053018 0.056120 #te:s-kita 0.051986 0.051705* 0.054355 0.053125 0.055124 #te:s-kita 0.057445 0.053783 0.052855 0.057115* 0.058138 #te:s-kita 0.055419 0.05349 0.052645 0.057115* 0.058138 #te:s-kita 0.055819 0.055819 0.055645 0.057115* 0.058138 #te:s-kita 0.055819 0.055819 0.055645 0.054129 0.053700* #te:s-kita #the:s-kita-aineo-t800+1600 are recognized as aleo (tate-4/5).### mean distance of poles of 'aineo' of s-kosi and tr:s-fubu are a 0.052972* 0.055094 0.056870 0.05473 0.058105 #te:s-kosi 0.06051 0.059979 0.055656* 0.058603 0.058281 #te:s-kosi 0.06051 0.059979 0.055656* 0.058603 0.058201 #te:s-kosi 0.06051 0.059100 0.059100 0.055656* 0.058603 0.058201 #te:s-kosi 0.06511 0.05910 0.05910 0.05910 0.055656* 0.058603 0.059204 #te:s-kosi 0.06511 0.05910 0.05
0.056791 0.057246 1600 are rv 1es of 'aiu 0.052917 0.058156 0.056844 0.054409 0.0554409	s kita:s-kos s-kita:s-kos fuku:s-kita fuku:s-kita iffNode:0 T: les of 7: 0.057163* 0.05773*	1es of aiu 0.054300 0.054300 0.053260 0.053260 0.056455 11600 are rr 0.056673 0.055663 0.055663 0.055663 0.05453 1.000 are rr 1.000 are rr 1.000 are rr 0.05453 0.05453 0.05453 0.05453 0.05453 0.05453
0.053922 0.053922 alueo-1800 ance of po 0.051613 0.057853 0.057123 0.054318 0.054318	well+speaker tr:s-fuku: 120 DiffMoc 130 D	cance of pol 0.05495 0.057083 0.05349 0.054089 aniec of pol 0.055094 0.05807 0.05887
# 0.054091 0.053922 0.056791 0.053204* 0.055426 #te:s-take # #0.057689 0.057390 0.057346 0.056467* 0.0564879 #te:s-take ####te:s-take-aiueo-t800+1600 are recognized as eeeee (rate=1/5).### ## 0.050738* 0.051613 0.052317 0.051140 0.054395 #te:s-yama # 0.050738* 0.051613 0.05217 0.051140 0.054395 #te:s-yama # 0.057411 0.057123 0.058156 0.056388 0.056012 #te:s-yama # 0.054013 0.054018 0.056038 0.056038 #te:s-yama # 0.054018 0.054038 0.055038 0.055038 0.055038 #te:s-yama ####te:s-yama ###te:s-yama ####te:s-yama ####te:s-yama ####te:s-yama ####te:s-yama ###te:s-yama ####te:s-yama ###te:s-yama	(11'''+1) vowel+speaker recognition with poles4 bag N27 vowelrecogn3 tr:s=thkus:s-krka:s-kress:s-seamuki:s-cakes:s-samuka:s-cakes:s-grand=s-s-grand=s-s-grand=	### mean dist 0.048574.8 0.048574.8 0.052611 0.052614 0.052849 ### mean 0.052972.8 0.052972.8 0.052973.8 ### 0.052973.8 0.052973.8 ### 0.052973.8 0.05299
15589 15590 15591 15592 15593 15594 15596 15596	15599 15600 15600 15602 15603 15604 15605 15606 15606 15606	15609 15611 15611 15612 15612 15614 15616 15617 15620 15620 15620 15623 15623 15623

```
| 15701 | ###(12) speaker and vowel recognition with M4 | 15701 | ###(12) speaker and vowel recognition with M4 | 15702 | cmda*vowelrecogns tr:s-tuku:s-kita:s-kosi:s-sanuki:s-take:s-yama te:s-fuku k:9 N:1 spkr:1 m:M4 dir:. | 15703 | ### mean distance of M4 of s-fuku and tr:s-fuku are as follows | 15703 | ### mean distance of M4 of s-fuku and tr:s-fuku are as follows | 15704 | ## 0.071041* 0.111131 | 0.149315 | 0.189509 | ## te:s-fuku-a-s-fuku-a | 15705 | ## 0.085732* 0.107653 | 0.107652 | 0.107653 | 0.107654 | 0.093531 | ## te:s-fuku-a-s-fuku-a-s-fuku-a-s-fuku-a-s-fuku-a-s-yama-a | 15706 | ## 0.085732* 0.107665 | 0.107652 | 0.093531 | ## te:s-fuku-a-s-yama-a | 15708 | ## 0.177965 | 0.066601* 0.121667 | 0.013736 | 0.093531 | ## te:s-fuku-a-s-s-yama-a | 15708 | ## te:s-fuku-a-s-s-yama-a | 15709 | ## te:s-fuku-a-s-s-yama-a | 15709 | ## te:s-fuku-a-s-s-yama te:s-fuku-a-s-s-yama-a | 15709 | ## te:s-fuku-a-s-s-sanuki-a-s-yama-a | 15709 | ## te:s-fuku-a-s-s-sanuki-a-s-yama-a | 15709 | ## te:s-fuka-a-s-s-sanuki-a-s-yama-a | 15709 | ## te:s-fuka-a-s-s-sanuki-a-s-yama-a | 15709 | ## te:s-fuka-a-s-s-sanuki-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-yama-a-s-ya
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cmd='vowelrecogy3 tr:s-fuku:s-kita:s-kosi:s-sanuki:s-take:s-yama te:s-take k:9 N:1 spkr:1 m:M4 dir:.
7 rsa:-1:0,7:1:20 liffmode:0 fr:100 tr:0:150:150:150:100 n:Sp 0. / dev/hull'
### mean distance of M4 of s-take and tr:s-fuku are as follows.
# 0.038518* 0.112844 0.118000 0.034078 0.097694 #te:s-take-a-s-take-a
# 0.101899 0.085134 0.067495 0.054001* 0.077872 #te:s-take-i-s-yama-e
# 0.112232 0.120236 0.0448998* 0.095039 #te:s-take-u-s-take-u
/onsei07 rsa:-1:0.7:1:20 DiffMode:0 T:100 tt:0:800:800:800 DISP:0 npt:0.7:1.1:1:179 > /dev/null'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.071929 0.090035 #te:s-sanuki-i->s-sanuki-i
0.163346 0.173912 #te:s-sanuki-u-s-sanuki-u-0.03659* 0.102502 #te:s-sanuki-e->s-sanuki-e-0.155936 0.107199* #te:s-sanuki-o->s-sanuki-o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ###te:s-sanuki-aiueo-t150+300 are recognized as eiueo (rate=4/5).###
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.052393*
0.129744
0.149707
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.072801
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.137417
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           # 0.052185
# 0.086286
# 0.129602
# 0.111507
# 0.16832
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /onsei07
15736 ##1
15737 #
15738 #
15739 #
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

Page 246

0.069899* 0.075959 #te:s-take-e->s-take-e

0.075457

0.072340

0.072815

15813

1811 # 10.06363

mean distance of poles of values of sannki and trifly are as follows.

9567 ### mean distance of poles of values of sannki are as follows.

9568 # 0.053138 0.055128 0.055129 0.055022 0.05138 ##e: sannki-i->kosi-i

9571 # 0.056722 0.05011 0.051382 0.051394 0.051045 ##e: sannki-i->kosi-i

9571 # 0.056722 0.055118 0.054734 0.051018 ##e: sannki-u->kuku-e

9572 # 0.054269 0.055118 0.054454 0.050712 ##e: sannki-u->kuku-e

9573 ###e: sannki-aime-lif0+300 are recognized as aloce (tate=445). ###

9574 ## mean distance of poles of values of take and triflux are as follows.

9575 # 0.049128 0.055118 0.055678 0.056729 0.049294 ##e: take-u->kosi-i

9576 # 0.06018 0.055678 0.055678 0.055689 0.05578 ##e: take-u->kosi-i

9577 # 0.060449 0.054780 0.055678 0.055689 0.05578 ##e: take-u->kosi-i

9578 # 0.06018 0.05578 0.05578 0.055678 ##e: take-u->kosi-i

9580 # ##e: take-aime-lif0+300 are recognized as aluee (rate-4-5). ###

9580 ###e: take-aime-lif0+300 are recognized as aluee (rate-4/5). ###

9580 ###e: take-aime-lif0+300 are recognized as aluee (rate-4/5). ###

9580 ### o.057228 0.05337 0.056739 0.056731 0.056731

9580 ## o.05337 0.053342 0.056731 0.056731 0.056731

9580 ## o.054318 0.05237 0.053342 0.056731 0.056731

9580 ## o.054570 0.055762 0.05576 ##e: yama-l->kosi-i

9580 ## o.05570 0.05576 0.05576 0.05578 ##e: yama-l->kosi-i

9580 ## o.05570 0.05576 0.05578 0.05578 ##e: yama-l->kosi-i

9580 ## o.05570 0.05576 0.05578 0.05578 ##e: yama-l->kita-e npt:0.75:1.1:1:179 > /dev/null' DiffMode: 0 T:100 tt:150:150:150:150 DISP:0

vowelrecogy3 tr:fuku:kita:kosi te:sanuki:take:yama k:27 N:6 m:poles4 dir:../onsei07 rsa:2:0.7:1:20 .0 T:100 tt:0:150:150:150 DISP:0 npt:0.75:1.1:11:179 > /dev/null 16040 vow iffMode:0 T 16041 16042 16043

Dec 05 2019 13:52:41 Page 249

Page 250

readmecan2mspeech.txt

16078 (1907) (19 DiffMode:0 T:100 t tr:fuku:kita:kosi:sanuki:take:yama te:take k:27 N:6 m:poles4 dir:../onsei07 rsa:2:0.7:1 tt:0:150:0:150 DISP:0 npt:0.75:1.1:11:179 > /dev/null tt:0:1 DiffMode:0 T:100 16046 cmd='vowelrecogy3 tr:yama te:take k:27 Ni6 mipoles4 dir:../onsei07 rsa:2:0.7:1:20 DiffMo to:0.150 Dipstop: Opt:0.751.1:11:179 > /dev/mill'
16047 ### mean distance of poles of 'aiueo' of take and tr:yama are as follows:
16048 # 0.065170 0.053534 0.052779 0.057093 0.055834 #te:take-a-yama-u
16048 # 0.065170 0.053534 0.052779 0.057093 0.058684 #te:take-a-yama-u
16048 # 0.065170 0.055349 0.052779 0.056780 0.057891 #te:take-a-yama-u
16051 # 0.065173 0.055349 0.055740 0.057991 #te:take-a-yama-u
16052 # 0.05974 0.055049 0.052876 0.055700 0.057991 #te:take-a-yama-u
16053 ###te:take-aiueo-tO-150 are recognized as uiuuo (rate=3/5).###
16054 # 0.057974 0.055049 0.053476 0.055700 0.057991 #te:take-a-yama-a
16055 # 0.057974 0.055049 0.053476 0.055700 0.057991 #te:take-a-yama-a
16056 ## 0.03797 0.055049 0.053476 0.055700 0.057991 #te:take-a-yama-a
16057 ### mean distance of poles of 'alueo' of take and tr:yama are as follows.
16058 # 0.034765 0.034575 0.034453 0.034870 0.034779 #te:take-a-yama-a
16059 # 0.034763 0.034453 0.034415 0.038630 0.034729 #te:take-a-yama-a
16060 # 0.034083* 0.034339 0.034115 0.038281 0.033476 #te:take-a-yama-a
16062 # 0.034683* 0.034339 0.034115 0.038281 0.03322 #te:take-a-yama-a
16063 ##te:take-aiueo-tO-150 are recognized as acaue (rate=1/5).###
16066 vowelrecogy3 tr:tuku:kita:kosi:sanuki:take:yama te:take k:27 N:6 m:poles4 dir:../onsei07
16066 vowelrecogy3 tr:tuku:kita:kosi:sanuki:take:yama te:take k:27 N:6 m:poles4 dir:../onsei07
16067 voorelecogy3 tr:tuku:kita:kosi:sanuki:take:yama te:take k:27 N:6 m:poles4 dir:../onsei07
16068 voorelecogy3 tr:tuku:kita:kosi:sanuki:take:yama te:take k:27 N:6 m:poles4 dir:../onsei07
16069 voorelecogy3 tr:tuku:kita:kosi:sanuki:take:yama te:take k:27 N:6 m:poles4 dir:../onsei07
1 ogy3 tr:yama te:take k:27 N:6 m:poles4 dir:../onsei07 rsa:2:0.7:1:20 DiffMode:0 npt:0.75:1.1:1179 > /dev/null (1) *cowelizecogy2.cを作り、4年音に対して入力が元な設定できるようにした。下の倒ではtake-eをまっつしたもの。簡単はよくなったが、1.れが最小には存らす、結果としては同じ観響 4 (15)だなった。 50:0:150 DISP:0 16070 070201 16072 16073 16074 16075

16185 cmd='vowelrecogy3 tr:yama te:take k:9 N:1 m:M4 dir:../onsei07 rsa:-1:0.7:1:20 DiffMode:0 T:100 tt:0: 150:0:150 DIE9:0 - 7 dev/mul. / 16186 ### mean distance of M4 of take and tr:yama are as follows. tt:0:100:0 tt:0:300:0 tt:10 tt:10 tt:100: tt:0: DiffMode: 0 DiffMode DiffMode 10120
10121
10120
10120
10120
10120
10120
10120
10120
10120
10121
10121
10121
10121
10121
10122
10122
10123
10123
10123
10123
10123
10124
10125
10120
10121
10120
10121
10120
10121
10120
10121
10120
10121
10120
10121
10120
10121
10120
10121
10120
10121
10120
10121
10120
10121
10120
10121
10120
10121
10120
10121
10120
10121
10120
10121
10120
10121
10120
10121
10120
10121
10120
10121
10120
10121
10120
10121
10120
10121
10120
10121
10120
10121
10120
10121
10120
10121
10120
10121
10120
10121
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120
10120 T:100 DiffMode:0 T:100 T:100 DiffMode:0 T:100 16151 vowelrecogy3 tr:yama te:take k:9 N:1 m:M4 dir:../onsei07 rsa:-1:0.7:1:20 DiffMode:0 T:100
16152 vowelrecogy3 tr:yama te:take k:9 N:1 m:M4 dir:../onsei07 rsa:-1:0.7:1:20 DiffMode:0 T:100
16153 vowelrecogy3 tr:yama te:take k:9 N:1 m:M4 dir:../onsei07 rsa:-1:0.7:1:20 DiffMode:0 T:100
1510 Disp:0 > /dev/null
16153 vowelrecogy3 tr:yama te:take k:9 N:1 m:M4 dir:../onsei07 rsa:-1:0.7:1:20 DiffMode:0 T:100
16154 ###te:take-aluoo-to-100 are recognized as alueo (rate=5/5).###
16155 vowelrecogy3 tr:yama te:take k:9 N:1 m:M4 dir:../onsei07 rsa:-1:0.7:1:20 DiffMode:0 T:100
1510 Disp:0 > /dev/null
16156 ###te:take-alueo-to-1300 are recognized as aluea (rate=4/5).### DiffMode: 0 DiffMode:0 rsa:2:0.7:1:20 DiffMode:0 16158 cmd='vowelrecogy3 tr:yama te:take k:9 N:1 m:M4 dir:../onsei07 rsa:-1:0.7:1:20 DiffM 0:100:100 DISP:0 > /dev/nnll'
0:100:100:100 DISP:0 > /dev/nnll'
15159 ### mean distance of M4 of c.729578 0.840433 1.008400 #te:take-a-vyama-a 15150 # 0.676444* 1.168006 0.729578 0.840433 1.008400 #te:take-a-vyama-a 15161 # 1.159137 0.230504* 0.585540 0.986540 #te:take-a-vyama-a 15162 # 0.588494 0.833769 0.738564 0.986540 #te:take-a-vyama-a 15162 # 0.82020 0.454712 0.520746 0.284699* 1.288178 #te:take-a-vyama-a 15164 # 0.220217* 1.16479 0.538769 0.738568 0.527388 #te:take-a-vyama-a 15165 ###te:take-aineo-t100+200 are recognized as ainea (rate=4/5).### 15160 DiffM 0.100:100 DISP:0 > /dev/null* 0.886940 0.89217* #te:vyama-a-rtake-o-10:100:100 DISP:0 > /dev/null* 0.840433 0.886540 0.892518 #te:vyama-a-rtake-o-116169 # 1.168917 0.58769 0.880569 0.292217* #te:vyama-a-rtake-o-116169 # 1.168917 0.58769 0.880569 0.292217* #te:vyama-a-rtake-o-116169 # 0.729578 0.789756 0.280904* 0.52746 0.638769 #te:vyama-a-rtake-o-116170 # 0.729578 0.789756 0.280904* 0.52746 0.638769 #te:vyama-a-rtake-o-116170 # 0.729578 0.980569 0.292218* #te:vyama-a-rtake-o-116170 # 0.729578 0.980569 0.286940 0.28238* #te:vyama-a-rtake-o-116171 # 0.680401 1.589766 0.286640 0.28238* #te:vyama-a-rtake-o-116172 ##te:vyama-a-take-o-116172 ##te:vyama-a-take-o-116173 ###te:vyama-a-take-o-116173 ###te:vyama-a-take-o-116173 ###te:vyama-a-take-o-116173 ###te:vyama-a-take-o-116173 ###te:vyama-a-take-o-116173 ###te:vyama-a-take-o-116173 ###te:vyama-a-take-o-116173 ###te:vyama-a-take-o-116173 ###te:vyama-a-take-o-116173 ###te:vyama-a-take-o-116174 #te:vyama-a-take-o-116174 #te:vyama-a-take-o cmd='vowelrecogy3 tr:yama te:take k:9 N:1 m:M4 dir:../onsei07 rsa:-1:0.7:1:20 vowelrecogv3 tr:yama te:take k:9 N:1 m:poles4 dir:../onsei07 rsa:-1:0.7:1:20 rsa:-1:0.7:1:20 16177 ### mean distance of M4 of take and triyama are as follows.
16177 ### mean distance of M4 of take and triyama are as follows.
16178 ## 0.559905* 1.176888 0.761903 0.857761 0.595816 #te:take-a-yyama-a-16179 ## 1.028263 0.348368* 0.680035 0.431190 1.193588 #te:take-i-yyama-i-16180 ## 0.612158 0.851151 0.295922* 0.416846 0.712987 #te:take-u-yyama-u-16181 ## 0.878709 0.415153 0.570146 0.324893* 1.016755 #te:take-e-yyama-a-16181 ## 0.318917 1.119178 0.549299 0.671084 0.303304* #te:take-o-yyama-a-0-yyama-a-0-yyama-a-0-yyama-a-0-yyama-a-0-yyama-a-0-yyama-a-0-yyama-a-0-303804 ##te:take-o-yyama-a-0-yya ###te:take-aiueo-t0+100 are recognized as aiueo (rate=5/5).### 16146 vowelrecogy3 tr:yama te:take k:9 N:1 m:poles4 dir:../onsei07 3610:150 DISP:0 > /dev/mull | 16148 vowelrecogy3 tr:yama te:take k:9 N:1 m:poles4 dir:../onsei07 3150:100:150 DISP:1 > /dev/mull #bagging | 16149 vowelrecogy3 tr:yama te:take k:9 N:1 m:poles4 dir:../onsei07 3150:100:150 DISP:1 > /dev/mull #single | 16140 vowelrecogy3 tr:yama te:take k:9 N:1 m:poles4 dir:../onsei07 3150:100:150 DISP:1 > /dev/mull #single | 16150 DISP: tt:0: 16176 cmc

Dec 05 2019 13:52:41 readmecan2mspeech.txt

Page 252

```
| 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0
```

readmecan2mspeech.txt

:100 D

:100 D

```
16319 #tf=50;tl=100;tt=`expx ${tf} + ${t1}\';pf=$tt;pl=80;pt=`expx ${pf} + ${pl}\'.
16320 reas=rsa:0.7:1:20 k=27 NaN:6=6:1 m=mpi.1:1:1 DM=biffMode:0 H=Hosei:1 g=g:5e-3 w=w:0.2 T=100 ;date
16321 cmd="./tspredv3 $d/${name}-$f/ty.dat $f(tf)-$(tr]:${pf}-${p} ${mp} ${mp} ${m} ${m} ${m} ${m} ${m} ${m} = 1.1:1 ib:0:0:0:0
${trsa} x:${k} y:0:0:0:0 ${g} ${w} T:${T} vt:0.5 vr:10"
16322 ${m d} /dev/null ;date
16323 end, "### Done for $cmd ###"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #tf=50:tl=100:tt='expr ${tf} + ${tl}'.pf=$tt:pl=80:pt='expr ${pf} + ${pl}'.

tf=50:tl=200:tt='expr ${tf} + ${tl}'.pf=$tt:pl=30:pt='expr ${pf} + ${pl}'.

tf=50:tl=200:tt='expr ${tf} + ${tl}'.pf=$tt:pl=30:pt='expr ${pf} + ${pl}'.

rsa=rsa:-l:0.7:1:20 k=9 N=N:33-33:1 mp=mp:1:1:1 DM=DiffMode:0 H=Hosei:1 g=g:5e-3 w=w:0.2 T=100 ; to=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                i3332 cmd="./tspredv3 $4/$[name]-${v}.dat ${tf}-${tt}:${pf}-${pt} ${pv} ${mp} ${m} ${H} ${N} *1-1:1 ib:0:0:0:0
${rsa} k:${k} y:0:0:0:1 ${g} ${m} T:${T} vt:0.5 vr:10"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      \#tf=50;t1=200;tt=\text{`expr} \$\{tf\} + \$\{t1\}';pf=\$tt;pl=30;pt=\text{`expr} \$\{pf\} + \$\{pl\}' \#t1=150 is necessary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cat ${p} | awk '{print $33$1}' > ../${f}.dat
###for display from here
cat disp.plt <<cop*
###tot "../${f} ad" using 0:(\$3-\$1) t "../${f}" w lp; pause -1 "Hit return key to quit"
plot "../${f}.dat" using 0:1 t "${f}" w lp; pause -1 "Hit return key to quit"</pre>
                  xterm -geometry 50x5-0+0 -e gnuplot -geometry 300x210 disp.plt&
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       for name in s-N1t50-1050p50-1050-take ; do for v in a ; do rm -rf result-ensrs2ge/tmp; d="../onsei07"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #f=" ../${d}/0=-${name}-N${N}\t${tf}-${tt}\p${pt}-${pt}-${v}"
#f="${d}.0=-N${N}\t${ft}-${tt}-${pt}-${pt}-${v}"
#f="${d}.0=-${name}-${tf}-${tt}-${pt}-${pt}-${pt}-${pt}-${v}"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            for name in s-N1t50-1050p50-1050-take ; do for v in a; do rm -rf result-ensrs2ge/tmp;
p:0-150:0-150 DISP:0 npt:0.7:1.1:0:180 > /dev/null'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cd ..;echo "### Done for ${f}.dat ###" done ; done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          p="predictDM0:${pf}-${pt}.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ###for display error to here
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #### making s(t) to here.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cd result-ensrs2ge;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    d="../onsei07"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         or pl=30 of take-e
16319 #tf=50;rl=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           done done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           pl=30 of take-e
16318 #tf=50;tl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ######
                                                                            16263
16264
16265
16266
16267
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16326
16327
16328
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16295
16296
16297
16299
16300
16301
16301
16305
16305
16305
16305
16305
16306
16309
16309
16309
16309
16309
16309
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16316
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16315
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              16314
```

16334	echo "### Done for \$cmd ###"	le for \$cmd	<u>.</u> ###			
16335	done done					
16336	#######################################	+#########	###########	#########	#########	##########
16337						
16338	#######################################	4########	##########	#		
16339	### recogniiton test	on test				
16340						
16341	Result of 'vo	welrecog te	e:yama tr:ta	ke k:9 N:33	1-33 m:pole	Result of 'vowelrecog te:yama tr:take k:9 N:33-33 m:poles4 dir:/onsei07 T:100 tt:0:100:0:100:
ISP:2'						
16342	### mean dist	ance of pol	les of 'aiue	o' of yama	and take a	### mean distance of poles of 'aiueo' of yama and take are as follows.
16343	# 0.134780*	0.154160	0.151998	0.145055	0.136471	#te:yama-a->tr:take-aiueo
16344	# 0.158979	0.141900*	0.142316	0.147571	0.148547	#te:yama-i->tr:take-aiueo
16345	# 0.161908	0.159065	0.139856*	0.152872	0.148023	#te:yama-u->tr:take-aiueo
16346	# 0.176139	0.172353	0.140659	0.158774	0.140490*	0.140490* #te:yama-e->tr:take-aiueo
16347	# 0.114943	0.140118	0.106692	0.112553	0.095262*	0.095262* #te:yama-o->tr:take-aiueo
16348	###te:yama-ai	.ueo-t0+100	are recogni	zed as tr:t	ake-ainoo-	###te:yama-aiueo-t0+100 are recognized as tr:take-aiuoo-t0+100 (4/5) via m:poles4N33-33.###
16349	Result of 'vo	welrecog te	e:take tr:ya	ma k:9 N:33	1-33 m:pole	Result of 'vowelrecog te:take tr:yama k:9 N:33-33 m:poles4 dir:/onsei07 T:100 tt:0:100:0:100:
ISP:2'						
16350	### mean dist	ance of pol	les of 'aiue	of take	and yama a	### mean distance of poles of 'aiueo' of take and yama are as follows.
16351	# 0.116436*	0.132415	0.126448	0.119123	0.147516	#te:take-a->tr:yama-aiueo
16352	# 0.166214	0.133440*	0.136465	0.136736	0.158582	#te:take-i->tr:yama-aiueo
16353	# 0.155907	0.139426	0.135933	0.122639*	0.134053	#te:take-u->tr:yama-aiueo
16354	# 0.151498	0.130018	0.127516	0.124365*	0.143236	#te:take-e->tr:yama-aiueo
16355	# 0.141291	0.147140	0.141551	0.125116*	0.131923	#te:take-o->tr:yama-aiueo
16356	###te:take-aiueo-t0+100	.ueo-t0+100		zed as tr:y	-ama-aieee-	are recognized as tr:yama-aieee-t0+100 (3/5) via m:poles4N33-33.###
16357						
16350	A 4 L	4	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	15.0 N. 1	The state of the state of	The second of the second product of the second product of the second of

mean distance of M4 (Associative Matrices) of 'aire distance of 'M4 (Associative Matrices) of 'aire distance of M4 (Associative Matrices) of 'aire distance of M4 (Associative Matrices) of 'aire of 'Aire m4M1.1.### mean distance of M4 (Associative Matrices) of 'aire of take and yama are as follows:

0.55900# 1.17680# 0.712987 1.016756 0.503304 #te: vame----tr: take-aire distance of M4 (Associative Matrices) of 'aire o' of take and yama are as follows:

0.55900# 1.17680# 0.743191 1.193588 #te: take-a---tr: vame-aire distance of M4 (Associative Matrices) of 'aire o' of take and yama are as follows:

0.65900# 0.34368# 0.680035 0.431191 1.193588 #te: take-a---tr: vame-aire distance of M4 (Associative Matrices) 0.671084 (A.712987 #te: take-a---tr: vame-aire distance of M4 (Associative Matrices) 0.671084 (A.712987 #te: take-a---tr: vame-aire distance of M4 (Associative Matrices) 0.671084 (A.712987 #te: take-a----tr: vame-aire distance distan 16376 ### mean distance of M4 (Associative Matrices) of 'aiueo' of s-N1t50-350p50-350-take and s-N1t50-350 26-350-yeam are as follows: 16377 # 0.094444* 0.188795 0.138127 0.175290 0.155482 #te:s-N1t50-350p50-350-take-a->tr:s-N1t50-3 dir:../on of 'vowelrecog te:yama tr:take k:9 N:1-1 m:M4 dir:../onsei07 T:100 tt:0:100:0:100:100 DISP:2' Result of 'vowelrecog te:s-N1t50-350p50-350-take tr:s-N1t50-350p50-350-yama k:9 N:1-1 m:M4 ###te:take-aiueo-t0+100 are recognized as tr:yama-aiueo-t0+100 (5/5) via m:M4N1-1.### 0.091355 0.137389 0.157969 0.115800* 0.098109 0.254485 0.277581 0.126152 sei07 T:100 tt:0:100:0:100:100 DISP:2' 0.094319 0.093826 0.125215 50550-350-yama-alueo 16379 # 0.095586 50550-350-yama-alueo 16380 # 0.105042 50550-350-yama-alueo 16381 # 0.250826 5050-350-yama-alueo 16377 # 0.094494* 50p50-350-yama-aiueo 16378 # 0.154973 16358 16359 16359 16359 16362 16363 16365 16369 16369 16370 16371 16371 16371 16371

0.141700 #te:s-N1t50-350p50-350-take-i->tr:s-N1t50-3 0.086106* #te:s-N1t50-350p50-350-take-u->tr:s-N1t50-3 0.088958* #te:s-N1t50-350p50-350-take-e->tr:s-N1t50-3 0.234106* 0.269096 #te:s-N1t50-350p50-350-take-o->tr:s-N1t50-3 0.254485 #te:s-N1t50-350p50-350-yama-i->tr:s-N1t50-3 0.098109* 0.277581 #te:s-N1t50-350p50-350-yama-u->tr:s-N1t50-3 0.234106 #te:s-N1t50-350p50-350-yama-e->tr:s-N1t50-3 0.093826* 0.157969 0.091355* 0.137389 0.125215 0.094319 0.115800 0.126152 50550-350-take-aiueo 16386 # 0.138795 0 50550-350-take-aiueo 16387 # 0.138127 0 50550-350-take-aiueo 16388 # 0.175290 0 50p50-350-take-aiueo

16389 # 0.155482 0.141700 0.086106* 0.088958 0.269096 #te:s-N1t50-350p50-350-yama-o->tr:s-N1t50-3 50p50-350-take-aitue 16390 ###te:s-N1t50-350p50-350-yama-aitueo-to+100 are recognized as tr:s-N1t50-350p50-350-take-aeeuu-to+100 ilt of 'vowelrecog te:s-N1L50-350p50-350-take tr:s-N1L50-350p50-350-yama k:9 N:33-33 m:poles4 dir T:100 tt:0:100:0:100:100 DISP:2' 0.151575 0.134433* 0.151656 0.142001 #te:s-N1t50-350p50-350-take-a->tr:s-N1t50-3 :../onsei07 T:100 tt:0:100:0:100:100 DISP:2/ 16392 ### mean distance of poles of 'alueo' of s-NIt50-350p50-350-take and s-NIt50-350p50-350-yama are (1/5) via m:M4N1-1.### 16393 # 0.148333 16391 Result

50p50-350-yama-aiueo 16394 # 0.135644* 0.145564 0.137279 0.154281 0.138375 #te:s-NIt50-350p50-350-take-i->tx:s-NIt50-3

```
predictions
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ##tuning k and N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             d="../onsei07"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #single CAN2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ###########
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ############
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ######
                                                                                                                                                          16459
16461
16461
16462
16463
16463
16463
16473
16473
16473
16473
16473
16473
16473
16473
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
16483
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ${rsa}
16496
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     16497
16498
116499
116509
116501
116502
116503
116506
116509
116510
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
11651
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
116511
11651
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16518
16520
16520
16520
16522
16522
16523
16523
16523
16533
16533
16533
16533
16533
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16435 #tE=50;tl=100;tt=`expr ${tf} + ${tl}`'pf=$tt;pl=80;pt=`expr ${pf} + ${pl}``
16434 reas=rsa:0.7:1:20 Re45NaN:6c=1 mp=mp:11:1 DM=DiffMode:0 H=Hosei:1 g=g:5e-3 w=w:0.2 T=100 ;date
16437 cmd="./tspredv3 $d\${name}-$f\$[v].dat $f\$[t].1:1 DM=DiffMode:0 H=Hosei:1 g=g:5e-3 w=w:0.2 T=100 ;date
16437 cmd="./tspredv3 $d\${name}-$f\$[v].dat $f\$[t].f\$[t].${pf}-${pf} ${m}$ ${m}$ ${m}$ ${m}$ ${m}$ ${m}$ ${m}-1:1 ib:0:0:0:0
${trad} $x:s{k} y:0:0:0:0 ${g} ${w}$ T:${T} vt:0.5 vr:10"
16439 $cmd $/dev/null ;date
16439 $cmd $m*# Done for $cmd ###"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16448 #tf=50;tl=100;tt='expr ${tf} + ${t1}':pf=$tt;pl=80;pt='expr ${pf} + ${p1}'.
1649 rsa=rsa:2:0.7:1:20 k=27 N=N:6-6:1 mp=mp:1:1:1 DM=DiffMode:0 H=Hosei:1 g=g:5e-3 w=w:0.2 T=100 :date
16450 cmd="../tspredv3 $4/$(fame)-${v}.dat ${tf}-${tt}:s{pf}-${tt};s{pf}-${pt} ${mp} ${m} ${H} ${N} ${H} ${11.1:1:1:1:1:1:0:0:0:0:0} ${rts} ${rt} ${rt
                                                       0.118188* #te:s-N1t50-350p50-350-take-u->tr:s-N1t50-3
                                                                                                                                                                                                                                                                   #te:s-N1t50-350p50-350-take-o->tr:s-N1t50-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ll of 'vowelrecog te:s-N1L50-350p50-350-yama tr:s-N1L50-350p50-350-take k:9 N:33-33 m:poles4 dir
T:100 tt:0:100:0:100:100 DISP:2'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.155438 #te:s-N1t50-350p50-350-yama-a->tr:s-N1t50-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #te:s-N1t50-350p50-350-yama-i->tr:s-N1t50-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #te:s-N1t50-350p50-350-yama-u->tr:s-N1t50-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              T:100 tt:0:100:0:100:100 DIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  necessary for
                                                                                                                                                          #te:s-N1t50-350p50-350-take-e->tr:s-N1t50-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  tf=0; tl=150; tt=2 expr ft} + ft} 'pf=ft' 'pf=ft' pl=30; pt=20 is necessary for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  # tl=150 is necessary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          done done #MSE=1.254976e+05(NMSE4.757149e-01)(n90) 0-150:150-240k27N6mp1:1:1.000000H1-y #k=27 N=N:6-6:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .../onsei07 T:100 tt:0:100:0:100:100 DISP:2'
16400 ### mean distance of poles of 'aiueo' of s-NIt50-350p50-350-yama and s-NIt50-350p50-350-take
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ###te:take-aiueo-t0+100 are recognized as tr:yama-aoeeo-t0+100 (3/5) via m:poles4N1-1.###
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           # tl=150 is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            # tl=150 is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     take-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.4571 10.27277 #tertake-a-verryama-aiueo 0.34573 10.27277 #tertake-a-verryama-aiueo 0.362084 0.287287 #tertake-i-verryama-aiueo 0.159622* 0.347727 #tertake-u-verryama-aiueo 0.159180* 0.25935 #tertake-a-verryama-aiueo 0.178180* 0.178163* #tertake-a-verryama-aiueo 0.178163* #tertake-a-verryama-aiueo 0.284940 0.178163* #tertake-a-verryama-aiueo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0-160:160-190k45N6mp1:1:1.000000H1-y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               t=50,tl=150,tt='expr ttf} + ttl}':pf=tt;pl=30;pt='expr tpf} + tpl}'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           t=50;tl=150;tt='expr t=1, t=1,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    d="../onsei07"
tf=0:tl=160:tt='expr ${tf} + ${t1}':pf=$tt:pl=30:pt='expr ${pf} + ${pl}'.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16409 Result of 'vowelrecog te:yama tr:take k:9 N:1-1 m:poles4 dir:../onsei07 p:2. | 16410 ### mean distance of poles of 'aiueo' of yama and take are as follows.
                                                                                                                                                                                                                                                                                                                                                                            recognized as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.143231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.169878
                                                                                                                                                                0.127172
                                                                                                                                                                                                                                                                   0.156929
                                                                                                                                                                                                                                                       16397 # 0.146671* 0.153591 0.156381 0.159846
50p50-350-yama-aiueo
16398 ###te:s-N1t50-350p50-350-take-aiueo-t0+100 are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               фo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.128297*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.144877
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.150732
                                                                                                                                                                0.149884
                                                       0.139592
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #for name in yama ; do for v in a i u e o;
#for name in take ; do for v in a i u e o;
for name in take ; do for v in e; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #MSE=4.439577e+03(NMSE7.383852e-02)(nMSE30)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ### mean distance of poles of 'alueo' '# 0.337802 0.33955 0.
# 0.387992 0.339401 0.332496 0.
# 0.273702 0.22207 0.162460 0.
# 0.273703 0.223398 0.225731 0.
# 0.282764 0.374182 0.286546 0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        for name in take ; do for v in e; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.153511
                                                       0.127496
                                                                                                                                                                0.132550
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.138501
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.141655
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  echo "### Done for $cmd ###"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               rm -rf result-ensrs2ge/tmp;
d="../onsei07"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   rm -rf result-ensrs2ge/tmp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.148677*
                                                                                                                                                                0.124702*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.149875
                                                       0.137476
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.145110
                                                                                                                                                                                                                                                                                                                                                                                                                              (0/5) via m:poles4N33-33.###
16399 Result of 'vowelrecog
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    via m:poles4N33-33.###
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #bagging predictions
##########
                                                 16395 # 0.124345
50p50-350-yama-aiueo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           # 0.138187*
                                                                                                                                                                                                            50p50-350-yama-aiueo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                50p50-350-take-aiueo
16402 # 0.137175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      50p50-350-take-aiueo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ###########
;0p50-350-yama-aiueo
16395 # 0.124345
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.154898
                                                                                                                                                                0.124858
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   done done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             pl=30 of take-e
16434 #tf=50;tl:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                take-e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          or pl=30 of take-
16435 #tf=50;tj
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              pl=30 of t
16447 #tJ
or pl=30 o:
16448 #t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16403 #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                follows.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         16411
16412
16414
16414
16416
16416
16418
16418
16421
16421
16421
16422
16422
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
16428
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                16442
16443
16444
16445
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        16401
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     16407
```

```
##f=60;tL=100;tL=`expr ${tE} + ${t1}`;pF=$tt;p1=80;pt="expr ${pF} + ${p}}`

**F=50;tL=150;tL=`expr ${tE} + ${t1}`;pF=$tt;p1=80;pt="expr ${pF} + ${pJ}`

***F=50:tL=150;tL=120 k=10 N=N:33-33:1 mp=mp:11:1 DM=Diffbode:0 H=Bose1:1 grg:5e-3 w=w:0.2 T=100 ; to
#k=27 N=N:6-6:1
#k=54 N=N:3-3:1
#k=54 N=N:6-6:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #MSE=6.82932e+03(NNSEI.910611e-01)(nNSE80) 50-150:156-230k:10N33mp1:1:1.000000H1-y take-e
#MSE=5.22030e+04(NNSEI.007752e+00)(INNSE80) 50-150:150-230k:10N33mp1:1:1.000000H1-y take-e
#MSE=3.645950e+04(NNSEI.019921e+00)(INNSE80) 50-150:150-230k:11N33mp1:1:1.000000H1-y take-e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      take-a
take-a
take-a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           yama-e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   yama-o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        d=.../onsei07
#for name in take ; do for v in a i u e o; do
for name in take yama; do for v in a i u e o; do
rm -rf result-ensrs2ge/tmp;
rxa=rasz10.7:1:120 k=9 N=1 mp=mp:11:11 DM=DiffMode:0 H=Hosei:1 g=g:5e-3 w=w:0.2 T=100 ;
#ft=50;rf=160;rf=60;rf==00:pt="expr ${rf} + ${t1}$';
rf=50;rf=180;0rf==expr ${tf} + ${t1}$';
rf=50;pf=50;t1=300;tt="expr ${tf} + ${t1}$';
rf=50:pf=50;t1=300;tt="expr ${tf} + ${t1}$';
rf=60:pf=50;t1=300;tt="expr ${tf} + ${t1}$';
rf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=60:pf=6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #MSE=6.487764e+05(NMSE1.281145e+00) (nMSE80) 50-150:150-230k10N33mp1:1:1.000000H1-y #MSE=4.416668e+03(NMSE2.734208e-01) (nMSE80) 50-150:150-230k10N33mp1:1:1.000000H1-y #MSE=7.533737e-05(NMSE1.831287e+00) (nMSE80) 50-150:150-230k10N33mp1:1:1.000000H1-y #MSE=6.829932e+05(NMSE1.910611e-01) (nMSE80) 50-150:150-230k10N33mp1:1:1.000000H1-y #MSE=2.493068e-05(NMSE1.910611e-01) (nMSE80) 50-150:150-230k10N33mp1:1:1.000000H1-y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #MSE=3.049512e+06 (NNSE6.021903e-01) (IAMSE80) 50-150:150-230k27Nömp1:1:1.000000H1-y-NSES=3.4732e+05 (NNSE6.756777ep1:11.000000H1-y-NSES=3.437732e+05 (NNSE6.756777ep1:11.000000H1-y-NSES=3.809645e+05 (NNSE9.4275e-01) (IAMSE80) 50-150:150-230k27Nömp1:1:1.000000H1-y-NSES=3.809645e+05 (NNSE7.522944e-01) (IAMSE80) 50-150:150-230k27Nömp1:1:1.000000H1-y-NSES=3.809645e+05 (NNSE7.52944e-01) (IAMSE80) 50-150:150-230k27Nömp1:1:1.000000H1-y-NSES=3.53924e+05 (NNSE6.99323e-01) (IAMSE80) 50-150:150-230k26Nömp1:1:1.000000H1-y-NSES=3.53924e+05 (NNSE7.118942e-01) (IAMSE80) 50-150:150-230k26Nömp1:1:1.000000H1-y-NSES=3.605057e+05 (NNSE7.718942e-01) (IAMSE80) 50-150:150-230k28Nömp1:1:1.000000H1-y-NSES=3.605057e+05 (NNSE7.718942e-01) (IAMSE80) 50-150:150-230k28Nömp1:1:1.000000H1-y-NSES=3.605057e+05 (NNSE7.718942e-01) (IAMSE80) 50-150:150-230k28Nömp1:1:1.000000H1-y-NSES=3.605057e+05 (NNSE7.718942e-01) (IAMSE80) 50-150:150-230k28Nömp1:1:1.1000000H1-y-NSES=3.605057e+05 (NNSE7.718942e-01) (IAMSE80) 50-150:150-230k28Nömp1:1:1.1000000H1-y-NSES=3.605057e+05 (NNSE7.718942e-01) (IAMSE80) 50-150:150-230k28Nömp1:1:1.1000000H1-y-NSES-3.605057e+05 (NNSE7.718942e-01) (IAMSE80) 50-150:150-230k28Nömp1:1:1.1000000H1-y-NSES-3.605057e+05 (NNSE7.718942e-01) (IAMSE80) 50-150:150-230k28Nömp1:1:1.1000000H1-y-NSES-3.605057e+05 (NNSE7.718942e-01) (IAMSE80) 50-150:150-230k28Nömp1:1:1.1000000H1-y-NSES-3.605057e+05 (NNSE7.718942e-01) (IAMSE80) 50-150:150:150-230k28Nömp1:1:1.1000000H1-y-NSES-3.605057e+05 (NNSE7.718942e-01) (IAMSE80) 50-150:150-230k28Nömp1:1:1.1000000H1-y-NSES-3.605057e+05 (NNSE7.718942e-01) (IAMSE80) 50-150:150-230k28Nömp1:1:1.1000000H1-y-NSES-3.605057e+05 (NNSE7.718942e-01) (IAMSE80) 50-150:150-230k28Nömp1:1:1.1000000H1-y-NSES-3.605057e+05 (NNSE7.718942e-01) (IAMSE80) 50-150:150:150-230k28Nömp1:1:1.100000H1-y-NSES-3.605057e+05 (NNSE7.718942e-01) (IAMSE80) 50-150:150-150:150-150:150-150:150-150:150-150:150-150:150-150-150:150-150:150-150-150:150-150:150-150:150-150:150-150:150-150-150:150-150:150-150:150-150:150-150:150-150:150-150-150-150:150-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #MNSE=6.890470e+04(NNSE1.360668e-01)(nMSE80) 50-150:150-230k9N33mpl:1:1.000000H1-y #MSE=8.34091e+03(NNSE5.345070e-01)(nMSE80) 50-150:150-230k9N33mpl:1:1.1.000000H1-y #MSES=6.2355e+03(NNSE1.55107e-02)(nMSE80) 50-150:150-230k9N33mpl:1:1.1.000000H1-y #MSES=9.322030e+04(NNSE2.657570F0)(nMSE80) 50-150:150-230k9N33mpl:1:1.000000H1-y #MSE=9.322030e+04(NNSE2.607723ae-01)(nMSE80) 50-150:150-230k9N33mpl:1:1.1.000000H1-y #MSE=1.538107e+05(NNSE9.79723ae-01)(nMSE80) 50-150:150-230k9N33mpl:1:1.1.000000H1-y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #MSE=2.520107e+07(NNSE2.368255e+00) (NASE80) 50-150:150-230k9N33mp1:1:1.000000H1-y:
#MSE=2.040071e+04(NNSEE.104467e-02) (NASE80) 50-150:150-230k9N33mp1:1:1.000000H1-y:
#MSE=6.956364e+04(NNSEE.206041e-01) (NASE80) 50-150:150-230k9N33mp1:1:1.000000H1-y:
#MSE=1.089247e+06 (NNSED:477174e-01) (NASE80) 50-150:150-230k9N33mp1:1:1.000000H1-y:
#MSE=2.375292e+04(NNSEI.048475e-02) (NASE80) 50-150:150-230k9N33mp1:1:1.000000H1-y:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #MSE=1.049512e+05(NNSE6.021903e-01)(nMSE80) 50-150:150-230k27N6mp1:1:1.000000H1-y
#MSE=1.140475e+04(NNSE7.060289e-01)(nMSE80) 50-150:150-230k27N6mp1:1:1.000000H1-y
#MSE=2.17961e+04(NNSE7.05295e-01)(nMSE80) 50-150:150-230k27N6mp1:1:1.00000H1-y
#MSE=3.25528e+04(NNSE9.023119e-01)(nMSE80) 50-150:150-230k27N6mp1:1:1.000000H1-y
#MSE=6.002331e+04(NNSE3.82286e-01)(nMSE80) 50-150:150-230k27N6mp1:1:1.000000H1-y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #MSE=6.008982e+06(NWSE5.646903e-01) (NMSE80) 50-150:150-230k27N6mp1:1:1.000000H1-y
#MSE=1.332606+05(NWSE2.641908e-01) (NMSE80) 50-150:150-230k27N6mp1:1:1.000000H1-y
#MSE=2.12323a+05(NWSE3.681047e-01) (NMSE80) 50-150:150-230k27N6mp1:1:1.000000H1-y
#MSE=2.12303a+05(NWSE3.681047e-01) (NMSE80) 50-150:150-230k27N6mp1:1:1.000000H1-y
#MSE=6.256934e+05(NWSE2.761867e-01) (NMSE80) 50-150:150-230k27N6mp1:1:1.000000H1-y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 50-150:150-23.0k9N34mp1:1:1.000000H1-y\\50-150:150-23.0k9N32mp1:1:1.000000H1-y
           0-150:150-180k27N6mp1:1:1.000000H1-Y
0-150:150-180k54N3mp1:1:1.000000H1-Y
0-150:150-180k54N6mp1:1:1.000000H1-Y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #for name in take yama; do for vin a i u e o; c

#for name in take; do for vin a; do 

#for name in take; do for vin a i u e o; do 

#for name in yama; do for vin a i u e o; do 

for name in take; do for vin a i u e o; do 

for name in take; do for vin a; u e o; do 

for name in take; do for vin e; do 

rm -rf result-ansra2ge/tup;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #MSE=1.012158e+05(NMSE1.998719e-01)(nMSE80)
#MSE=8.118278e+04(NMSE1.603124e-01)(nMSE80)
                      #MSE=1.998059e+04(NMSE9.558350e-02)(n30)
#MSE=4.370536e+04(NMSE2.090784e-01)(n30)
                                                                                                               #MSE=4.370536e+04(NMSE2.090784e-01)(n30)
#MSE=3.942118e+04(NMSE1.885837e-01)(n30)
```

```
vowelrecogv2 te:yama
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     =${frt1};date
16683 #rsa=rs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16664
16665
16666
16668
16669
16670
16671
16672
16673
16673
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   16676
16677
16678
16679
16680
                                                                                                                                                                                                                                                                                                                                                                                                          #te:take-a #te:take-i #te:take-u #te:take-e #te:take-o
# 0.15177 0.191129 0.17604 0.172104 0.166093 #tr:yama-a
# 0.154508 0.130615 0.136942 0.131971* 0.142308 #tr:yama-i
# 0.143086* 0.114126* 0.114208 0.136308 0.136309 #tr:yama-u
# 0.15021 0.128905 0.114208* 0.134208 0.13720 0.128997 #tr:yama-e
# 0.14313 0.136197 0.135197 0.135204 0.13720 0.128997 #tr:yama-e
#te:take-aiueo-t100+100 are recognized as tr:yama-uno-cl00+100 (1/5) via m:poles4N32-32.#
vowelrecog te:yama tr:take k:9 N:32-32 m:poles4 dir:${d} T:100 tt:0:100:100:100:100 DISP:2 >/dev/nu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              # 0.116909* 0.121043 0.130291 0.143333 0.138339 #tr:take-a
# 0.146408 0.104648* 0.132648 0.148425 0.13254 #tr:take-i
# 0.137122 0.126375 0.117118* 0.143906 0.137044* #tr:take-i
# 0.126502 0.117730 0.133926 0.12459* 0.137688 #tr:take-e
# 0.144996 0.136771 0.133928 0.141447 0.140629 #tr:take-e
* 0.146496 0.136771 0.133928 0.141447 0.140669 #tr:take-e
* vowelzecog te:take tr:yama k:9 N:32-23 m:poles4 dir:${4} 7:100 tt:100:100:100:100:100 DISP:2 >/dev
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ##te:yama-aiueo-t100+100 are recognized as tr:take-auuoo-t0+100 (3/5) via m:poles4N32-32.# vowelrecog te:take tr:yama k:9 N:32-32 m:poles4 dir:${d} T:100 tr:0:100:100:100:100 DISP:2 >/dev/nu
vowelrecog te:take tr:take k:9 N:32-32 m:poles4 dir:${d} T:100 tt:100:100:200:100:100 DISP:2 >/dev/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #te:take-a #te:take-i #te:take-u #te:take-e #te:take-o
# 0.13173 0.16874 0.12125 0.134075 0.13647 #tr:yama-a
# 0.14672 0.122752 0.136898 0.13976 0.13517 #tr:yama-i
# 0.146291 0.110913* 0.117713 0.13074 0.129852 #tr:yama-u
# 0.12756* 0.120103 0.113849* 0.120596* 0.116684 #tr:yama-e
# 0.146701 0.146551 0.13849* 0.120596* 0.13450 #tr:yama-o
# 0.148701 0.146551 0.133564 0.134591 0.133270 #tr:yama-o
##te:take-aiueo-t100+100 are recognized as tr:yama-eueee-t0+100 (1/5) via m:poles4N32-32.#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                via m:M4N1-1.#
                                                                                                                                                cat \hat{s}\{p\} | wax '{print $1-$3}' > \hat{s}\{f\}.dat cat > disp_px' {print $1-$3}' > \hat{s}\{f\}.dat #plot "\hat{s}\{f\} dat" using 0:(\hat{s}3-\hat{s}1) t "\hat{s}\{f\}" w lp; pause -1 "Hit return key to quit" plot "\hat{s}\{f\}.dat" using 0:1 t "\hat{s}\{f\}" w lp; pause -1 "Hit return key to quit" BDP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.899456 0.506348 1.521569 #tr:yama-i
0.149958* 0.393634 1.067111 #tr:yama-u
0.417279 0.045915* 1.111449 #tr:yama-o
0.95530 0.007519* 0.072195* #tr:yama-o
are recognized as tr:yama-aiueo-t100+100 (5/5)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ce:yama-i #te:yama-u #te:yama-e #te:yama-o
1.04196 0.600006 0.651682 0.65597 #tr:yama-a
0.060946* 0.899456 0.506348 1.521569 #tr:yama-a
0.819426 0.449958* 0.339634 1.067111 #tr:yama-u
0.491652 0.417779 0.045915* 1.11149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #te:yama-a #te:yama-i #te:yama-u #te:yama-e #te:yama-o
# 0.11702* 0.139062 0.158555 0.14303 #tr:take-i
# 0.150160 0.137472 0.148996 0.185365 0.165551 #tr:take-i
# 0.13939 0.129713* 0.12451* 0.154459 0.140135 #tr:take-i
# 0.13838 0.138246 0.149765 0.154351 % 0.138362 #tr:take-u
# 0.138385 0.13826 0.149765 0.154351 % 0.133097* #tr:take-u
                                                                                                                                                                                                                                                                                                          xterm -geometry 50x5-0+0 -e gnuplot -geometry 300x210 disp.plt& cd ...echo "### Done for \$\{f\} ###"
                                                                                     od result-ensra2ge;
f="...${bf}=${pt}=${pt}-${tt}:${pf}-${pt}-${v}"
f="yeadictDW0:${pf}-${pt}.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ##te:yama-aiueo-t200+100
                                                                                                                                                                                                                                                                                                                                                                            done ; done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 # 0.116909*
# 0.146494
# 0.137152
# 0.126502
# 0.144996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       # 0.587509
# 0.647710
# 0.596230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1.077582
                                                                                     16538

16549

16549

16549

16544

16544

16544

16544

16546

16554

16555

16555

16555

16556

16556

16556

16557

16557

16557

16558

16558

16558

16558

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16559

16
```

Dec 05 2019 13:52:41 **readmecan2mspeech.txt**

```
| March | Marc
```

readmecan2mspeech.txt

```
16833
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #for name in take yama ; do for v in a i u e o; do
for name in take ; do for v in a i u e o; do
for name in take; do for v in a i u e o; do
for name in take; for for v in a i u e o; do
for the constance of the 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          fx=2000 tl=80; fxtl='expr*${fr} + ${tl}'
rsa=rsa:-1:0.7:1:20 k=9 N=N:33-33:1 mp=mp:1:1:1 DM=DiffMode:0 H=Hosei:1 g=g:5e-3 w=w:0.2 T=100 ; to=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ${DM} ${H} ${N} M:1-1:1 ib:0:0:0:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ${DM} ${H} ${N} M:1-1:1 ib:0:0:0:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 eguti-u
eguti-e
eguti-o
sawa-a
sawa-i
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16757 time ./tspredv3 ../data/${name}-${v}.dat o-${fx}:${fx}-${to}$ ${mp} ${mp} ${H} ${H} ${N} M:1-1:1 ib:0:0
0 ${rsa} k:${k} y:0:555:0:1 ${g} ${w} T:${T} vt:0.5 vr:10 >/dev/mull:date
16758 echo "## Done for ${name}-${v} ###"
16759 done ; done
16759 done ; done
16759 done ; done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    =${frt}}; $\frac{1}{16738}$ time. \(\text{CENDERSO} \text{CENDERSO} \text{CEND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #MSE=4.961844e+04(NMSE9.366967e-02)(nMSE80) 0-1500:1500-1580k27N27mp1:1:1.000000H1-y #MSE=5.479808e+03(NMSE9.213319e-01)(nMSE80) 0-1500:1500-1580k27N27mp1:1:1.000000H1-y #MSE=2.420459e+03(NMSE9.79470e-03)(nMSE80) 0-1500:1500-1580k27N27mp1:1:1.000000H1-y #MSE=2.420459e+03(NMSE9.379470e-03)(nMSE80) 0-1500:1500-1580k27N27mp1:1:1.000000H1-y #MSE=1.06370e+03(NMSE9.3479667e-02)(nMSE80) 0-1500:1500-1580k27N27mp1:1:1.000000H1-y #MSE=1.000230e+04(NMSE6.986406e-02)(nMSE80) 0-1500:1500-1580k27N27mp1:1:1.000000H1-y
                                      ## result for rsa:-1:0.7:1:20
## xssult for rsa:-1:0.7:1:20
## xssult for rsa:-1:0.00000011-y
## xss=2.748768e-04 (NMSES.9464595e-02) (LMSEB0) 0-200:200-280k27M27mp1:1:1.00000011-y
#MSE=2.197188e-04 (NMSEI.34875e-00) (LMSEB0) 0-200:200-280k27M27mp1:1:1.000000H1-y
#MSE=2.565775e+03 (NMSEI.51246e-02) (LMSEB0) 0-200:200-280k27M27mp1:1:1.000000H1-y
#MSE=2.956775e+03 (NMSEI.7521246e-02) (LMSEB0) 0-200:200-280k27M27mp1:1:1.000000H1-y
#MSE=2.998H26-03 (NMSEI.722125e-02) (LMSEB0) 0-200:200-280k27M27mp1:1:1.000000H1-y
### result for rsa:20.7:1:20
### result for rsa:20.7:1:20
### xsult for xsa:20.7:1:20
### xsult for xsa:20.7:1:20
### xsult for xsa:20.7:1:20
### xsult for xsa:20.7:1:1.000000H1-y
### xsult for xsa:20.7:1:1.000000H1-y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  予測範囲が長すぎると訓練データ自体の信頼性が落ちるかもしれない。
061129の実験でt1=80 (= 100ms)として再実験してみた。
開業として、Diffandes:0のパギング「FO (2-2-1)参照」が同じ学習パラメー
対で最良のNSEを出した (時間がかかり過ぎ?)、Diffanode:0の SingleCAN2
(下の(2-1-1),(2-1-2))は選く、MSEもまあまあ良い。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cttrainfrom>-cttrainto>:ctpredfrom>-ctpredto>
CDFを増入した。ctpredfrom>(なtrainto>より小さくてもよいし、
大きくでも良い。
大きくても良い。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (1) can2の時系列処理の入力の指定に
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ## result for rsa:-1:0.7:1:20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ## result for rsa:2:0.7:1:20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    for name in eguti sawa ; do
for v in a i u e o ; do
rm -rf result-ensrs2ge/tmp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (2-1-2) with k=9 N:33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      done ; done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       061130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        106709
106709
106709
106712
106712
106712
106712
10672
10672
10672
10672
10672
10672
10672
10672
10672
10672
10672
10672
10672
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16734
16735
16736
16737
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   16740
16741
16742
16743
16744
16746
16746
16748
16750
16751
16751
16753
16753
16753
16686
16687
16689
16690
16691
16694
16694
16695
16696
16696
16699
16696
16699
16696
16699
16696
16699
```

```
for name in equti ; do ; for v in a ; do
rm -rf result-ensrs2ge/twp;
fr=2000cll=60; Frl=expr ${fr} + ${t}.
rsaarsa:-1:0.7:1:20 k=28 N=36 mp=mp:1:1:1 DM=DiffNode:1 H=Hosei:1 g=g:5e-3 w=w:0.2 T=100 ; to=${frtl
                                                                                                                                                                                                                                                                                                               2080k28N36mpl:1:1.000000Hl-dy eguti-1
16848 #MszB=8.76612-40-1(NNSSZ 59059a-02) MszBdy=5.273546e+01(NNSZBdy1.266366e-01)(t:2000-2080) 0-2000:2000-
2080k28N356mpl:1:1.00000Hl-dy eguti-u
16849 #MszB=2.184390e+02(NMSZI.802829e-01) MszBdy=1.644272e+02(NNSZBdy5.883234e-01)(t:2000-2080) 0-2000:2000-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2080k28N36mpl:11.1.00000011.dy egutt.0.
1681 | MRSB=3.966478+00(NMSET,657148e-02) MSEdy=1.751304e+00(NNSEdy8.892970e-02)(t:2000-2080) 0-2000:2000-2080/38036mpl:11.1.00000011.dy sawa-a.
16822 | MNSE=5.008910e+02(NNSEI,581059e-01) MSEdy=1.757534e+02(NNSEdy8.934986e-01)(t:2000-2080) 0-2000:2000-2080/SNB36mpl:11.1.00000011-dy sawa-a.
2080k28NB36mpl:11.1.00000011-dy sawa-a.
16853 | MNSE=6.733366e+01(NNSEI,581059e-02) MSEdy=2.790906e+01(NNSEdy9.394909e-02)(t:2000-2080) 0-2000:2000-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2080k28N36mpl:1:1.000000H1-dy sawa-u
16854 #MSE3:3.01095a-011(MNSE1.307912e-02) MSEdy-2.896697e+01(NNSEdy6.410817e-02)(t:2000-2080) 0-20000:2000-
2080k28N35dmpl:1:1.00000H1-dy sawa-e
16855 #MSE=1.542055e+01(NMSE7.277826e-03) MSEdy=5.531442e+00(NMSEdy1.236006e-02)(t:2000-2080) 0-2000:2000-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16865 #MSE=5.006442e+01(NMSE5.593731e-02) MSEdy=1.893499e+01(NMSEdy6.603561e-02)(t:2000-2080) 0-2000:2000-
808CX7N33MD111:1.000000H1-04.
16866 #MSE=7.032986e+01(NMSE7.847946e-02) MSEdy=3.446827e+01(NMSEdy1.202078e-01)(t:2000-2080) 0-2000:2000-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        16862 #MSE-3.064337e+01(NMSE3.423805e-02) MSEdy=2.036636e+01(NMSEdy7.102750e-02)(t:2000-2080) 0-2000:2000-2080k29N38mp1:1:1.000000H1-dy
0-2000:2000-2080k9N10mp1:1:1.000000H1-y real7m9.260
                                                                                                                                                                                                                                                                                                                                                                                                                                16845 done; done
16846 #MSE=2.034968e+01(NMSE2.273684e-02) MSEdy=1.704627e+01(NMSEdy5.944871e-02)(t:2000-2080) 0-2000:2000-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2080K28N36mp1:1:1.000000H1-dy eguti-a
16847 #MSE=1.097755e+03(NNSE4.041733e-01) MSEdy=2.740830e+02(NNSEdy1.282771e+00)(t:2000-2080) 0-2000:2000-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2080K28N36mp1:111.000000H1-dy eguti-a
16858 #MSE=3.162893e+01(NMSE3.533921e-02) MSEdy=1.983809e+01(NMSEdy6.918518e-02)(t:2000-2080) 0-2000:2000-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   16859 #MSE=6.676905e+01(NMSE7.460151e-02) MSEdy=2.333967e+01(NMSEdy8.139692e-02)(t:2000-2080) 0-2000:2000-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #MSE=2.916421e+01(NMSE3.258537e-02) MSEdy=1.736472e+01(NMSEdy6.055933e-02)(t:2000-2080) 0-2000:2000-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      16863 #MSE=4.794899e+01(NNSE5.357373e-02) MSEdy=1.977626e+01(NMSEdy6.896953e-02)(t:2000-2080) 0-2000:2000-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2080k28N36mp1:1:1.000000H1-dy eguti-e
16850 #MSE=2.229200e+01(NMSE1.403534e-02) MSEdy=7.525847e+00(NMSEdy1.933243e-02)(t:2000-2080) 0-2000:2000-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #MSE=2.241226e+01(NMSE2.504137e-02) MSEdy=1.449823e+01(NMSEdy5.056246e-02)(t:2000-2080) 0-2000:2000-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16864 #MSE=4.920380e+01(NMSE5.497574e-02) MSEdy=2.037126e+01(NMSEdy7.104460e-02)(t:2000-2080) 0-2000:2000-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              16857 #MSE=2.034968e+01(NMSE2.273684e-02) MSEdy=1.704627e+01(NMSEdy5.944871e-02)(t:2000-2080) 0-2000:2000-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  以前は、Destinap.net 再現していたが、これは予測値が既知でないとできない。また学習パラメータもデータに応じて変えていた。最近、last.netでも良い予測ができるパラメタがあるようなので結果を示す。(但し、以下の結果は予測ステップ数を100にしているから良い?)
#MSE=7.474199e+02(NMSE8.350972e-01)(t:2000-2080)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (2) DiffMode:0 == DirectMode
(2-1) single CANZO 科契 (using rsa:-1:0.7:1:20)
for name in equti sawa; do
for v in a i u e o; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  y:0:0::<vmin>:<vmax>とすると、間求め<vmin0>:<vmax0>に設定する。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2080k28N36mp1:1:1.000000H1-dy sawa-o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2080k28N38mp1:1:1.000000H1-dy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2080k28N35mp1:1:1.000000H1-dy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2080k27N36mp1:1:1.000000H1-dy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2080k28N37mp1:1:1.000000H1-dy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2080k27N38mp1:1:1.000000H1-dy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2080k27N37mp1:1:1.000000H1-dy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2080k26N38mp1:1:1.000000H1-dy
                                                                                                                                                                                                                                         16842 rsa=rsa:-1:0....
};NN=N:${N}-${N}:1;date
/+spredv3
                                                                                                        () DiffMode:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ##############
                                     user3m15.175s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             061129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          =${frt1};date
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                16870
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16874
16875
16876
16877
16878
16878
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      16883
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              16860
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       16869
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     16873
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         16882
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16872
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16856
```

```
16911 #forTuningparameters#MSE=1.669030e+02(NMSE1.648630e-01)(t:2000-2100) 0-2000:2000-2100K17N39mp1:1:1.0 00000H1-y equti.a 16912 #forTuningparameters#MSE=1.76525e+02(NMSE1.743649e-01)(t:2000-2100) 0-2000:2000-2100K17N43mp1:1:1.0 0000H1-y equti.a 16913 #forTuningparameters#MSE=1.681765e+02(NMSE1.661209e-01)(t:2000-2100) 0-2000:2000-2100K17N45mp1:1:1.0 0000H1-y equti.a 16913 #forTuningparameters#MSE=1.969462e+02(NMSE1.651209e-01)(t:2000-2100) 0-2000:2000-2100K17N45mp1:1:1.0 10000H1-y equti.a #forTuningparameters#MSE=1.969462e+02(NMSE1.945389e-01)(t:2000-2100) 0-2000:2000-2100K17N35mp1:1:1.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     00000H1-y equti-a
16905 #fortunapParameters#MSE=6.823106e+01(NMSE6.739708e-02)(t:2000-2100) 0-2000:2000-2100K27N40mp1:1:1.0
00000H1-y equti-a
16907 #fortuningParameters#MSE=7.518025e+01(NMSE7.426134e-02)(t:2000-2100) 0-2000:2000-2100K25N39mp1:1:1.0
00000H1-y equti-a
16907 #fortuningParameters#MSE=1.044864e+02(NMSE1.032093e-01)(t:2000-2100) 0-2000:2000-2100K26N39mp1:1:1.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (2-2) バギングCAN2の結果 (using rsa:2:0.7:1:20) → eguti-a を除いて上の結果(singleCAN2)より良い。
for name in eguti sawa i do
for v in a iu e o i do
rm -rf result-ensrs2ge/twp;
fr=2000 ts=100 tl=100; frtl='expr ${fr} + ${tr}}, ifrts='expr ${fr} + ${ts}`;
rsa=rsa:2:0;7:1:20 k=27 New:11-11:1 mp=mp:1:1:1 DM=DiffNode:0 H=Hosei:1 g=g:5e-3 w=w:0.2 T=100 ; to=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                16949' time ./tspredv3 ../data/${name}-${v}.dat 0-${fr}:${fr}-${tc} Tbst:10 ${mp} ${DM} ${H} ${N} M:1-1:1 i b:0:0:0:0:0 ${rsa} k:${k} y:0:255:0:1 ${9} ${w} T:${T} v:0.5 v:10 >/dev/null:date
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #forTuningParameters#MSE=1.518723e+02(NMSE1.500160e-01)(t:2000-2100) 0-2000:2000-2100k38N39mp1:1:1.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #forTuningParameters#MSE=2.963505e+01(NMSE2.927283e-02)(t:2000-2100) 0-2000:2000-2100k27N39mpl:1:1.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             \#for Tuning Parameters \#MSE=4.204619e+01(NMSE4.153227e-02)(t:2000-2100) \\ 0-2000:2000-2100k27N38mp1:1:1.0 \\ 0-2000-2100k27N38mp1:1:1.0 \\ 0-2000-2100k27N38mp1:1.0 \\ 0-2000-2100k27N38mp1:1:1.0 \\ 0-2000-2100k27N38mp1:1.0 \\ 0-2000-2100k27N38mp1:1.0 \\ 0-2000-2100k27N38mp1:1.0 \\ 0-2000-2100k
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0-2000:2000-2100k24N38mp1:1:1.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0-2000:2000-2100k17N40mp1:1:1.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #forTuningParameters#MSE=1.659229e+02(NMSE1.638949e-01)(t:2000-2100) 0-2000:2000-2100k17N41mp1:1:1.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               eguti-a y:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    t0=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ib:0:0:0:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #MSE=1.536815e+02(NMSE1.518031e-01)(t:2000-2100) 0-2000:2000-2100k27N11mp1:1:1.000000H1-y eguti-a y:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           eguti-a y:
#MSE=6.963505e+01(NMSE2.927283e-02)(t:2000-2100) 0-2000:2000-21000x7N39mpl:1:1.000000H1-y eguti-a #MSE=6.506176e+02(NMSE2.927212e=0.1)(t:2000-2100) 0-2000:2000-2100x7N39mpl:1:1.000000H1-y eguti-a #MSE=6.506176e+02(NMSE2.365212e=0.1)(t:2000-2100) 0-2000:2000-2100x7N39mpl:1:1.000000H1-y eguti-a #MSE=6.589679e+01(NMSE2.09291e-0.1)(t:2000-2100) 0-2000:2000-2100x7N39mpl:1:1.000000H1-y eguti-a #MSE=6.689679e+01(NMSE3.43557e-02)(t:2000-2100) 0-2000:2000-2100x7N39mpl:1:1.000000H1-y eguti-a #MSE=1.456079e+01(NMSE3.0525e-03)(t:2000-2100) 0-2000:2000-2100x7N39mpl:1:1.000000H1-y eguti-a #MSE=1.456077e+00(NMSE2.7969096-02)(t:2000-2100) 0-2000:2000-2100x7N39mpl:1:1.000000H1-y eguti-a #MSE=1.456077e+00(NMSE2.7969096-02)(t:2000-2100) 0-2000:2000-2100x7N39mpl:1:1.000000H1-y eguti-a #MSE=3.276432e+02(NMSE6.4325E-02)(t:2000-2100) 0-2000:2000-2100x7N39mpl:1:1.000000H1-y eguti-a #MSE=3.276432e+02(NMSES.4325E-02)(t:2000-2100) 0-2000:2000-2100x7N39mpl:1:1.000000H1-y eguti-a #MSE=3.449691e+01(NMSE1.532200e-02)(t:2000-2100) 0-2000:2000-2100x7N39mpl:1:1.00000H1-y eguti-a #MSE=3.449691e+01(NMSE1.532200e-02)(t:2000-2100) 0-2000:2000-2100x7N39mpl:1:1.00000H1-y eguti-a #MSE=3.449691e+01(NMSE1.532200e-02)(t:2000-2100) 0-2000:2000-2100x7N39mpl:1:1.00000H1-y eguti-a #MSE=3.449691e+01(NMSE1.532200e-02)(t:2000-2100) 0-2000:2000-2100x7N39mpl:1:1.00000H1-y eguti-a #MSE-3.449691e+01(NMSE1.532200e-02)(t:2000-2100) 0-2000:2000-21000x7N39mpl:1.2.00000H1-y eguti-a #MSE-3.00000H1-y 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  rm -rf result-ensrs2ge/tmp;
fr=2000 ts=100 tl=100; frtl=`expr ${fr} + ${tl}` ;frts=`expr ${fr} + ${ts}` ;
rsa=rsa:2:0.7:1:20 k=27 N=N:11-11:1 mp=mp:1:1:1 DM=DiffMode:0 H=Hosei:1 g=g:5e-3 w=w:0.2 T=100 ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       M:1-1:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #MSE=1.342190e+02(NMSE1.325784e-01)(t:2000-2100) 0-2000:2000-2100k27N20mp1:1:1.000000H1-y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   \#MSE=1.229033e+03(NMSE1.214011e+00)(t:2000-2100)\ 0-2000:2000-2100K27N11mp1:1:1.000000H1-y+1.000000H1-y+1.000000H1-y+1.000000H1-y+1.000000H1-y+1.000000H1-y+1.000000H1-y+1.000000H1-y+1.000000H1-y+1.000000H1-y+1.000000H1-y+1.000000H1-y+1.000000H1-y+1.000000H1-y+1.000000H1-y+1.000000H1-y+1.000000H1-y+1.000000H1-y+1.000000H1-y+1.000000H1-y+1.000000H1-y+1.000000H1-y+1.000000H1-y+1.000000H1-y+1.000000H1-y+1.00000H1-y+1.00000H1-y+1.00000H1-y+1.00000H1-y+1.00000H1-y+1.00000H1-y+1.00000H1-y+1.00000H1-y+1.00000H1-y+1.00000H1-y+1.00000H1-y+1.0000H1-y+1.0000H1-y+1.0000H1-y+1.0000H1-y+1.0000H1-y+1.0000H1-y+1.000H1-y+1.000H1-y+1.0000H1-y+1.0000H1-y+1.0000H1-y+1.0000H1-y+1.0000H1-y+1.000H1-y+1.0000H1-y+1.0000H1-y+1.0000H1-y+1.0000H1-y+1.0000H1-y+1.0000H1-y+1.0000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1.000H1-y+1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    rsa:2:0.7:1:40
#MSE=1.747958e+02(NMSE1.726593e-01)(t:2000-2100) 0-2000:2000-2100k27N10mp1:1:1.000000H1-y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   \#MSE=6.9410999 \\ e+01 \\ (NMSE6.856260 \\ e-02) \\ (t:2000-2100) \\ 0-2000:2000-2100 \\ k27N39 \\ mp1:1:1.000000 \\ H1-y-y-100 \\ R210 \\ R210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  _i6924 time ./tspredv3 ../data/$(name)-${v}.dat 0-${fr}:${fr}-${to} ${mp} ${mp} ${m} ${H} ${N} $0 ${ras} k:${k} y:0:255:0:1 ${g} ${m} T:${T} v:0.5 vr:10 >/dev/null:date 16925 echo "### Done for ${name}-${v} ###"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (2-3) eguti-aだけブースティングしてみる (using rsa:2:0.7:1:20 and Tbst:10)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0000H1-y equti-a
16508 #forTuningparameters#MSE=1.756519e+02(NMSE1.735050e-01)(t:2000-2100)
00000H1-y equti-a
16509 #forTuningparameters#MSE=1.651647e+02(NMSE1.631459e-01)(t:2000-2100)
00000H1-y equti-a
16910 #forTuningparameters#MSE=1.659229e+02(NMSE1.638949e-01)(t:2000-2100)
00000H1-y equti-a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        in eguti ; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            for v in a ; do
                                                                                                                                                                                                                                16894 #MSE=6.9946;

16895 #MSE=1.5677;

16897 #MSE=1.5677;

16898 #MSE=1.5450;

16899 #MSE=1.5438;

16901 #MSE=1.5438;

16901 #MSE=1.5438;

16901 #MSE=1.4460;

16901 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     16916 #forTuning
00000H1-y sawa-a
16917
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      00000H1-y eguti-a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        for name
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ${frt1};date
16924 time
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          16919
16920
16921
16922
16923
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0:0:0:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       16928
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0:0:0:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   16926
16927
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          16930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   16940
16941
16942
16943
16944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   16934
16935
16936
16937
16938
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16929
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        16931
```

```
y:0:0:0:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17012 fr. 2000 t
17013 rsa=rsa:2
[frt1];date
17014 time./ts
0 ${rsa} k:${k} y
17015 echo."###
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             000Hl-dy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   000H1-dy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   000Hl-dy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         000H1-dy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    00H1-dy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17030
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    17043
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           17049
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           17031
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17042
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2100k9N3Zmp111:1.00000H1-dy eguti-a dy:-6.8666641.86666
2100k9N3Zmp11:1.00000H1-dy eguti-a dy:-6.86666641.86666
2100k9N3Zmp11:1.00000H1-dy eguti-a dy:-8.808000:48.888000
16987 #MSE=2.958680e+02(NMSEB.861983e-02) MSEdy=1.056234e+02(NMSEdy2.333130e-01)(t:2000-2100) 0-2000:2000-16987 #MSE=2.958680e+02(NMSEB.861983e-02) MSEdy=1.056234e+02(NMSEdy2.64996e-01)(t:2000-2100) 0-2000:2000-16988 #MSE=1.11.579e+02(NMSEB.861983e-02) MSEdy=2.497909e+01(NMSEdy9.299987e-02)(t:2000-2100) 0-2000:2000-2100k9N3Zmp1:11.00000H1-dy eguti-a dy:-63.194186:45.789709e+01(NMSEdy1.943949e-01)(t:2000-2100) 0-2000:2000-2100k9N3Zmp1:11.1.00000H1-dy eguti-a dy:-53.194186:45.786977
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16973 #MSE=6.263483e+02(NMSE6.186926e-01) MSEdy=2.928036e+02(NMSEdy8.879226e-01)(t:2000-2100) 0-2000:2000-2100KoN32mp1:11.000000H1-dy eguti-a 2100KoN32mp1:11.00000H1-dy eguti-a 2100KoN32mp1:13.00000H1-dy eguti-a 2100KoN32mp1:13.00000H1-dy eguti-1 MSEdy=4.741196e+01(NMSEdy2.338768e-01)(t:2000-2100) 0-2000:2000-2100KoN32mp1:13.00000H1-dy eguti-1 MSEdy=4.741196e+02(NMSEdy2.61796e-01)(t:2000-2100) 0-2000:2000-16975 #MSE=2.926719e+02(NMSE8.766253e-02) MSEdy=1.043423e+02(NMSEdy2.617765e-01)(t:2000-2100) 0-2000:2000-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2100k9N32mpl:1:1.000000H1-dy eguti-u
1676 #Msza=1.501092-e0-02(NMSZEL.214744e-01) MSEdy=2.595432e+01(NNSEdy9.663073e-02)(t:2000-2100) 0-2000:2000-
2100k9N32mpl:1:1.000000H1-dy eguti-e
16977 #MSE=1.045830e+02(NMSE6.412997e-02) MSEdy=2.961121e+01(NNSEdy7.831467e-02)(t:2000-2100) 0-2000:2000-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2100k9N32mpl:1:1.000000H1-dy sawa-a
16979 #MSDEs3.810466402(NMSDE).242828e-01) MSDAy-6.553375e+01(NMSDAy3.145143e-01)(t:2000-2100) 0-2000:2000-
2100k9N32mpl:1:1.000000H1-dy sawa-1
16980 #MSDE-1.292811e+02(NMSDE).229922e-02) MSDAy-4.589568e+01(NMSDAy1.620370e-01)(t:2000-2100) 0-2000:2000-
2100k9N32mpl:1:1.000000H1-dy sawa-u
16981 #MSDE-1.624228e+02(NMSDE).99793e-02) MSDAy-4.825326e+01(NMSDAy1.011072e-01)(t:2000-2100) 0-2000:2000-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2100k9N32mpl:1:1.000000Hl-dy sawa-a dy:-29.156250:21.381250
16991 #MSD=2.301742+02(NMSST).507406-02) MSSD456.579975e+01(NMSEdy3.013931e-01)(t:2000-2100) 0-2000:2000-
2100k9N32mpl:1.00000Hl-dy sawa-i dy:-54.697500:41,39375c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2100k9N32mp1:11.000000H1-dy sawa-u dy:-61.444444.77379629
2100k9N32mp1:11.000000H1-dy sawa-u dy:-61.444444.77379629
2100k9N32mp1:11.00000H1-dy sawa-u dy:-58.154481.47.216463
2100k9N32mp1:11.00000H1-dy sawa-o dy:-58.154481.47.216401 (NMSEdy8.237192e-02)(t:2000-2100) 0-2000:2000-2100k9N32mp1:11.00000H1-dy sawa-o dy:-47.221622:38.038176
16996 ###for y:-60:60:00:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                000H1-dy eguti-a dy:-56.866666:41.866666
16998 #MSE=2.627844e+02(NMSE9.323271e-02) MSEdy=4.903671e+01(t:2000-2100) 0-2000:2000-2100k9N32mpl:1:1.000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         16999 #MSE=2.955944e-02(NMSE8.85788e-02) MSBdy=1.053394e+02(t:2000-2100) 0-2000:2000-2100k9N32mpl:1:1.000 000H1-dy equti-u dy:-49.115000:88.905000 17000 #MSE=1.144599e-02(NMSE9.262551e-02) MSEdy=2.511225e+01(t:2000-2100) 0-2000:2000-2100k9N32mpl:1:1.000 000H1-dy equti-e dy:-50.826667:42.453333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    000H1.dy eguti.o dy: 53.194186:44.756977
1702 #MSE=4.074552-00(NMSET, 5711846-02) MSEdy=1.539785e+00(t:2000-2100) 0-2000:2000-2100k9N32mpl:1:1.000
000H1-dy sswa a dy: -29.156526:21.381250
17003 #MSE=2.272529e+02(NMSET,412125e-02) MSEdy=6.301444e+01(t:2000-2100) 0-2000:2000-2100k9N32mpl:1:1.000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ###for y:0:0:0:1
#MSE=6.263483e+02(NMSE6.186926e-01) MSEdy=2.928036e+02(NMSEdy8.879226e-01)(t:2000-2100) 0-2000:2000-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2100k9N32mp1:11.000000H1-dy eguti-0
16978 #MSE=3.138929e+00(NMSE5.832643e-02) MSEdy=1.440558e+00(NMSEdy7.424871e-02)(t:2000-2100) 0-2000:2000-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   \# MSE = 2.801\underline{2}20 + 602(NMSE1.717698 - 01) \\ MSE dy = 7.428013 + 401(t:2000 - 2100) \\ 0.-2000:2000 - 2100K9N32mp1:1:1.000 \\ 0.-2000 - 2100K9N32mp1:1:1.000 \\
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ###for y:-65:65:0:1
#MSE=6.355390e+02(NMSE6.277709e-01) MSEdy=2.962713e+02(NMSEdy8.984385e-01)(t:2000-2100) 0-2000:2000-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                \# MSE=6.315565e+02(NMSE6.238372e-01)\ MSEdy=2.942300e+02(t:2000-2100)\ 0-2000:2000-2100k9N32mp1:1:1.000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2100858N32mp1:1:1.00000H1-dy sawa-e
16982 #MSE=1.445319e+02(NMSE6.419470e-02) MSEdy=3.292327e+01(NMSEdy7.298104e-02)(t:2000-2100) 0-2000:2000-
                                                                     done ; done
#MSE=1.698668e+02(NMSE1.677906e-01)(t:2000-2100) 0-2000:2000-2100k27N11mp1:1:1.000000H1-y eguti-a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          061126
(1) 時間差分時系列 dy(t)=y(t)-y(t-1)による多段予測←Seems good! Why??
(1-1) 以前は、bestumsp.net で再現していたが、これは予測値が既知でないとできない。
(1-2) last.netを用いると、DiffMode:0 ではうまく行かない場合があるが、
し-2) last.netを用いると、DiffMode:0 ではうまく行かない場合があるが、
DiffMode:1ではすべてうまくいく(NMSE<1)! ← Why? Analyse it!!!!!
                                                                                                                                                                                                                                     17.48
                                                                                                                                                                                                                       (注意) 下記の071126の 時間差分時系列 dy(t)=y(t)-y(t-1) (DiffMode:1)
多段予測は結構安定しているが、DiffMode:1 より精度は悪い?
echo "### Done for ${name}-${v} ###'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       000H1-dy eguti-i dy:-38.808000:48.888000
16999 #MSE=2.955944e+02(NMSE8.853789e-0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2100k9N32mp1:1:1.000000H1-dy sawa-o
16983
                                                                                                                                                                                                                                                                                                                                                                                                                         ##################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     done ; done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16984
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                16997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         16985
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     16971
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16972
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

#MSE=1.395345e+02(NNSE5.644218e-02) MSEdy=4.910946e+01(t:2000-2100) 0-2000:2000-2100k9N32mp1:1:1.000 sama-u dy:-61.444444:47.379629 000H1-dy_sawa-e_dy:-58.155488:43.216463 1706 #Wssaz-1456252-02(NMSDE,4603450-02) MSDGy=3.342463e+01(t:2000-2100) 0-2000:2000-2100k9N32mp1:1:1.000 000H1-dy_sawa-o_dy:-47.221622:8.038176 2100kNN10mp1:1:000000H1-dy sawa-a 17024 #MssE=7,4716.64-02 (NMSSE4,248)666-01) Mssdy=4.689204e+01(NMSsdy2.250476e-01)(t:2000-2100) 0-2000:2000-2100kNN10mp1:1:1.000000H1-dy sawa-i 17025 #MssE=1.049588e+02(NMSE4.245724e-02) Mssdy=2.185734e+01(NMSsdy7.716843e-02)(t:2000-2100) 0-2000:2000-2100kNN10mp1:1:1.000000H1-dy sawa-u 2100kNN10mp1:1:1.000000H1-dy sawa-u 2100kNN10mp1:1:1.000000H1-dy sawa-u 17029 y:-65:65:0:1 17030 #MSE=1.732153e+02(NMSE1.710982e-01) MSEdy=6.620125e+01(t:2000-2100) 0-2000:2000-2100k9N10mp1:1:1.000 17032 #MSE=2.983827e+02(NMSE8.937305e-02) MSEdy=1.059436e+02(NMSEdy2.657939e-01)(t:2000-2100) 0-2000:2000-17038N10MB1:11.000011-dy grut1-u-1.0100011-dy grut1-u-1.0100011-dy mSEdy=4.799294e+02(NMSEdy1.786829e+00)(t:2000-2100) 0-2000:2000-1703 #MSE=5.161555e+03(NMSE41.70637e+00) MSEdy=4.799294e+02(NMSEdy1.786829e+00)(t:2000-2100) 0-2000:2000-1703 #MSE=5.161555e+03(NMSE41.70637e+00) MSEdy=4.799294e+02(NMSEdy1.786829e+00)(t:2000-2100) 0-2000:2000-1703 #MSE=5.161555e+03(NMSEdy1.786829e+00)(t:2000-2100) 0-2000:2000-1703 #MSE=5.161555e+003(NMSEdy1.786829e+00)(t:2000-2100) 0-2000:2000-1703 #MSE=5.161555e+003(NMSEdy1.786829e+00)(t:2000-2100) 0-2000:2000-1703 #MSE=5.1615556+003(NMSEdy1.786829e+00)(t:2000-2100) 0-2000:2000-1703 #MSE=5.1615556+003(NMSEdy1.786829e+00)(t:2000-2100) 0-2000:2000-2000 #MSE=5.0000-2100) 0-2000:2000-1703 #MSE=5.161556+003(NMSEdy1.786829e+00)(t:2000-2100) 0-2000:2000-2000 #MSE=5.0000-2100) 0-2000:2000-2000 #MSE=5.0000-2100 #MSE=5.00000-2100 #MSE=5.0000-2100 #MSE=5.0000-2100 #MSE=5.00000-2100 #MSE 2100k9N10mp1:1:1.000000H1-dy sawa-u 17038 #MSSE=6.007546e+01(INMSE2.552032e-02) MSEdy=2.261588e+01(INMSEdy4.738805e-02)(t:2000-2100) 0-20000:2000-2100k9N10mp1:1:1.000000H1-dy sawa-e 17039 #MSSE=1.574827e+02.(INMSE6.994685e-02) MSEdy=3.289021e+01(INMSEdy7.290775e-02)(t:2000-2100) 0-2000:2000-2100k9N10mp1:1:1.000000H1-dy sawa-o {frrl};date 17044 time./tspredv3 ../data/\${name}-\${v}.dat 0-\${fr}:\${fr}-\${to} \${mp} \${DM} \${H} \${N} M:1-1:1 ib:0:0:0:0 \${rsa} k:\${k} y:0:0:0:1 \${g} \${w} T:\${T} vt:0.5 vr:10 >/dev/null;date 17045 echo "### Done for \${name}-\${v} ###" 0000H1-dy real26m59.744s 17048 #MSE=2.723947e+02(NMSE2.690653e-01) MSEdy=8.745960e+01(t:2000-2100) 0-2000:2000-2100k9N9mpl:1:1.0000 2100k9N10mp1:1:1.000000H1-dy eguti-a 17019 #MSE=1.414866e+02(NMSE5.019773e-02) MSEdy=3.695213e+01(NMSEdy1.822799e-01)(t:2000-2100) 0-2000:2000-MSEdy=4.366775e+01(t:2000-2100) 0-2000:2000-2100k9N10mp1:1:1.000 #MSE=3.826324e+02(NMSE3.779556e-01) MSEdy=1.717842e+02(t:2000-2100) 0-2000:2000-2100k9N11mp1:1:1.000 $\#MSE=6.730678e+02(MMSE6.648410e-01)\ MSEdy=3.136597e+02(t:2000-2100)\ 0-2000:2000-2100k9N13mp1:1:1.000$ $\#MSE=7.584162e+02(NMSE7.491463e-01) \quad MSEdy=3.523824e+02(t:2000-2100) \quad 0-2000:2000-2100k9N14mp1:1:1.0000 + 0$ #MSE=1.412905e+02(NMSE6.002080e-02) MSEdy=4.457464e+01(t:2000-2100) 0-2000:2000-2100k9N32mp1:1:1.000 0-2000:2000-0-2000:2000-2100k9N10mp1:1:1.000000H1-dy sawa-e 17027 #MSE=1.630154e+02(NMSE7.240425e-02) MSEdy=3.320778e+01(NMSEdy7.361170e-02)(t:2000-2100) 0-2000:2000-17021 #FSE=4.014339e+03(NNSE3.248504E+0v/, -...
2100K9NImph:1:1.1000000H1-dy equti-e NG
17022 #HSE=1.517007e+02(NNSE3.236e-02) MSEdy=1.599766e+01(NMSEdy4.231003e-02)(t:2000-2100)
2100K9NI0mp:1:1.1000000H1-dy equti-o
17023 #MSE=8.308334e+00(NMSE1.543824e-01) MSEdy=1.439079e+00(NMSEdy7.417250e-02)(t:2000-2100)
17023 #MSE=8.308334e+00(NMSE1.543824e-01) MSEdy=1.439079e+00(NMSEdy7.417250e-02)(t:2000-2100) 2100k9N10mp1:1:1.000000H1-dy eguti-e NG 17034 #MSE=1.315890e+02(NMSE8.068996e-02) MSEdy=1.484620e+01(NMSEdy3.926471e-02)(t:2000-2100) 2100k9N10mp1:1:1.000000H1-dy eguti-o 17035 #MSE2-2.006334+00(NMSMS4.465846-02) MSEdy=1.175532e+00(NMSEdy6.058885e-02)(t:2000-2100) 2100k9N10mp1:1:1.00000B1-dy sava-a 17036 #MSE=3.812440e+02(NMSE1.243473e-01) MSEdy=3.675614e+01(NMSEdy1.764027e-01)(t:2000-2100) 2100k9N10mp1:1:1.000000H1-dy sawa-i 17037 #MSE=9.918936e+01(NMSE4.012532e-02) MSEdy=2.491496e+01(NMSEdy8.796354e-02)(t:2000-2100) $\#MSE=1.989444e+02(NMSE1.965127e-01)\ MSEdy=7.111561e+01(NMSEdy2.156570e-01)(t:2000-2100)$ 2100k9N10mp1:1:1.000000H1-dy eguti-i 17020 #MSE=2.949033e+02(NMSE8.833087e-02) MSEdy=1.051311e+02(NMSEdy2.637556e-01)(t:2000-2100) 2100k9N10mp1:1:1.000000H1-dy eguti-u 17021 #MSE=4.014339e+03(NMSE3.248564e+00) MSEdy=3.767509e+02(NMSEdy1.402684e+00)(t:2000-2100) (2) 時間差分時系列 dy(t)=y(t)-y(t-1)による多段予測+パギング → eguti-eが悪くなる eguti-a #MSE=1.534311e+02(NMSE5.443549e-02) dy:-54.697500:41.973750 eguti-i 2100k9N10mp1:1:1.000000H1-dy sawa-o 17028 for name in eguti sawa ; do for v in a i u e o ; do

```
; to=${frtl};date
17160 #NG#time ./
${rsa} k:${k} y:74.
17161 #NG#rsa:2:0
17162 #NG##MSE=6.
                                                                                                                                                                                                                                                                                                                                                                                                                 ; to=${frt1};date
17130 #NG#time
                                                                                                                                                                                                           #NG#
#NG#(2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       with x:0:0:0:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #NG#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #DN#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 17134
???
17135
                                                                                                                                                                                                                                                                                                                                  17128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17147
17148
17149
17150
17151
17152
17153
17154
17155
17155
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          17180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17143
17144
25000)
17145
17146
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    s}';
17159
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17164
17164
17165
17166
17167
17168
17169
17170
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  17172
17173
17174
17175
17176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           25000
                                                                                                                                                                                                                                                                                               $\(\text{8}\) \text{1.0} \text{5} \text{1} \text{5} \text
                                  for v in a i u e o ; do
for v in a i u e o ; do
free2000 ts=100 tl=100; frtl='expr ${#MSE=7.878061e+01(NMSE3.346634e-02)(t:2000-2100) 0-2000:2000-210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1710| #NG#time ./tspredv3 ./data/eguti-a.dat 0-${fx}:${fx}-${to} ${mp} ${m} ${m} ${H} ${m} ${H} ${m} .1-1:1 ib:0:0:0:0
1710| #NG#time ./tspredv3 ./data/eguti-a.dat 0-${fx}:${m} ${m} .1-1:1 ib:0:0:0:0
${fx=a} {m} {m} {m} {m} .1-1:1 ib:0:0:0:0
17102 #NG##REB-1.97723e+03{mNSE.775750e+00}(t:2000-2100) 0-2000:3000-21008933mp:1:1.0000000H1-y eguti-a.17102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      *Note that the 'tepredy3 ..'data/sawa-a.dat 0-${fr}:${fr}-${to} ${mp} ${Dw} ${H} ${N} M:1-1:1 ib:0:0:0:0:0 k:${k} y:0:255:0:1 ${g} ${w} T:${T} vt:0.5 vr:10 >/dev/mull:date #NO##MSE=9.59770-01(NMSE9.53232a-05)(t:2000-2200) 0-2000:2000-2200K8N40mp1:1:1.000000H1-y g:3.8e-
                                                                                                                                                                                                                                                   ; to=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #NG##NSE=9.642634e-01(NMSE9.581846e-05)(t:2000-2200) 0-2000:2000-2200k8N40mpl:1:1.000000H1-y 9:4e-4 #NG##NSE=9.762869e-01(NMSE9.701323e-05)(t:2000-2200) 0-2000:2000-2200k8N40mpl:1:1.000000H1-y 9:3.7e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #NG##MSE=9.600741e-01(NMSE9.540217e-05)(t:2000-2200) 0-2000:2000-2200k8N40mp1:1:1.000000H1-y g:3.9e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   \#NG\#MSE=9.820758e-01(NMSE9.758847e-05)(t:2000-2200) 0-2000:2000-2200R8N40mp1:1:1.000000H1-y 9:3.6e-010000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ##NG#rm -rf result-ensre2ge/;
##NG#rm -rf result-ensre2ge/;
##NG#r=2000 ts=100 tl=100; frtl='expr ${fr} + ${tl}' ;frts='expr ${fr} + ${ts}' ;
#NG#rsa-rsa-1:0-7:1:20 k-9 N=N:32-32:1 mp=mp:1:1:1 DM=DiffMode:0 H=H0sei:1 g=g:5e-3 w=w:0.2 T=100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           M:1-1:1 ib:0:0:0:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #NW#rm -rf result-ensrs/ge/;
#NW#fr=2000 rs=100 i=1100; ft=11=100; ft=11=100; ft=1=1=100
#NW#fr=2000 rs=120 rs=2 N=N:14-14:1 mp=mp:1:1:1 DM=DiffMode:0 H=Hose:1 g=g:5e-3 w=w:0.2 T=100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #NG#time ./tepredv3 ../data/sawa-a.dat 0-${fr}:${fr}-${to} ${mp} ${DM} ${H} ${N} *1-1:1 ib::
k.${k} y:0.2255:01 ${9} ${M} TT {T} yt:0.5 yt:00 x yt:00 
                                                                                                                                                                                                                                                   g=g:5e-3 w=w:0.2
                                                                                                                                                                                                 小さなts(=100) で g を求める。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #NG#(1) single CAN2(rsa:-1:0.7:1:20) 7
ор
;
in eguti sawa
                                                                                                                                                    0k27N11mp1:1:1.000000H1-y
17058 fr} + ${t1} : ;rrts=
17059 rsarsa:-1:0.7:1:20
${frt1};date
17060 time ./tspredv3 ../c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; to=${frts};date
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      17099 #NG#fr=2000
17100 #NG#rsa=rs:
to=${frt1};date
17101 #NG#time ...
for name
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #NG#(2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17108 #NG#time
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  17105
17106
17107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  {rsa}
17109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17103
```

Dec 05 2019 13:52:41 readmecan2mspeech.txt Page

```
77500)g:1.3e-3
77500)g:1.3e-3
77500)g:1.40 [WNHANSE] 852147e+02(t:2000-2200) 0-2000:2000-2200k8N14mp1:1:1.00000H1-y (sawa-i y:14.722500:199.7
77500)g:0,4e-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #NG#y:74.700000:153.425000:0:1 g:1.4e-3
#NG##MSE=5.883401e-01(t:2000-2200) 0-2000:2000-2200k8N14mp1:1:1.000000H1-y (sawa-a y:74.700000:153.4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #NG##NSE=3.461041e+02(NMSE1.306900e-01)(t:2000-2200) 0-2000:2000-2200K8N14mp1:1:1.000000H1-y eguti-i #NG##NSE=6.825194e+02(NMSE2.041020e-01)(t:2000-2200) 0-2000:2000-2200K8N14mp1:1:1.000000H1-y eguti-u
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    \# NG\#\#MSE=3.926423e+02(t:2000-2200) \ 0-2000:2000-2200 \\ \text{MRS}\#MSE=3.926423e+02(t:2000-2200) \ 0-2000:2000-2200 \\ \text{MRS}\#MSE=3.9264264 \\ \text{MRS}\#MSE=3.92642644 \\ \text{MRS}\#MSE=3.9264264 \\ \text{MRS}\#MSE=3.9264264 \\ \text{MRS}\#MSE=3.9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        \#NG\#rm -rf result-ensrs2ge/;fr=2000 ts=200 tl=200; frtl='expr \$\{fr\} + \$\{t1\}' ;frts='expr \$\{fr\} + \$\{tn\}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           \# NG\# \# NSE=1.985315e+03 (NMSE1.963331e+00) (t:2000-2200) \ 0-2000:2000-2200 (RN14mp1:1:1.000000H1-y \ eguti-a \ 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #NG##MSE=6.072109e-01(t:2000-2200) 0-2000:2000-2200k8N14mp1:1:1.000000H1-y (sawa-a y:74.700000:153.4
#NG#zm -rf result-ensrs2ge/;
#Nd#fr=2000 (rs200 tl=200) frl='expr ${fr} + ${tl}' .ifrts='expr ${fr} + ${ts}' .i
#NG#resuco (rs200 tl=200) frl=20 frl='expr ${fr} + ${tl} = 1.1.1 DN=DlffNode:0 H=HOSes!:1 g=g:3.8e-4 w=w:0.2 T=100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          17130 #NG#time ./tspredv3 ../data/sawa-a.dat 0-${fr}:${fr}-${to} ${mp} ${DM} ${H} ${N} M:1-1:1 ib:0:0:0:0 ... ${fra} R: ${k} y:0:255:0:1 ${g} ${g} ${M} M:1-1:1 ib:0:0:0:0 ... ${fra} R: $
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #NG#(2) dy
HWHFF=2000 ts=200 tl=200; frtl=`expr ${fr} + ${tl}`; frts=`expr ${fr} + ${ts}`; w=w:0.2 T=100;
#NG#YSE=xsa:-1:11:11 k=B N=N:34-34:1 mp=mp:1:1:1 DM=DiffMode:1 H=HGSE:1 g=g:1.4e-3 w=w:0.2 T=100;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #NG#rsa=rsa:2:0.7:1:20 k=8 N=N:15-15:1 mp=mp:1:1:1 DM=DiffMode:0 H=Hosei:1 g=g:1.4e-3 w=w:0.2 T=100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       \#NG\#time ./tspredv3 ../data/sawa-a.dat 0-8\{fx\}:\$\{fx\}-\$\{t0\} \ \$\{mp\} \ \$\{B\} \ \$\{N\} \ N:1-1:1 \ ib:0:0:0:0:0:0:15 \ y:74.700000:153.425000 \ \$\{g\} \ \$\{w\} \ T:\$\{T\} \ v:10 \ v/dev/nullidate 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #NG#Y-0:0:011 g:1.5e-3
#NG##NSE=1.298515e+00(t:2000-2200) 0-2000:2000-2200k8N14mp1:1:1.000000H1-Y
#NG#Y:0:0:0:1 g:1.3e-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #NG#y:0:255:0:4
#NG##MSE=7.965950e-01(t:2000-2200) 0-2000:2000-2200k8N14mp1:1:1.000000H1-y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #NG#y:0:00:0:1 g:1.4e-3
#NG##MSE=1.283745e+00(t:2000-2200) 0-2000:2000-2200k8N14mp1:1:1.000000H1-y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #NG##MSE=1.397569e+00(t:2000-2200) 0-2000:2000-2200k8N14mp1:1:1.000000H1-y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #NG##MSE=1.552791e+00(t:2000-2200) 0-2000:2000-2200k8N13mp1:1:1.000000H1-y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #NG##MSE=1.457073e+00(t:2000-2200) 0-2000:2000-2200k8N14mp1:1:1.000000H1-y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #NG##MSE=3.806061e+00(t:2000-2200) 0-2000:2000-2200k8N12mp1:1:1.000000H1-y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #NG##MSE=9.665671e-01(t:2000-2200) 0-2000:2000-2200k8N17mp1:1:1.000000H1-y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #NG##MSE=3.434110e+00(t:2000-2200) 0-2000:2000-2200k8N34mp1:1:1.000000H1-y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #NG#y:74.700000:153.425000 rsa:-1:1:1:1
#NG##MSE=1.465435e+00(t:2000-2200) 0-2000:2000-2200k8N34mp1:1:1.000000H1-y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #NG##MSE=3.317997e+00(t:2000-2200) 0-2000:2000-2200k8N34mp1:1:1.000000H1-y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #NG##MSE=1.029566e+01(t:2000-2200) 0-2000:2000-2200k8N10mp1:1:1.000000H1-y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #NG#y:74.700000:153.425000 rsa:-2:1:1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #NG#rsa:2:0.7:1:20 k=8 N=N:12-12:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #NG#rsa:2:0.7:1:20 k=8 N=N:17-17:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #NG#rsa:2:0.7:1:20 k=8 N=N:10-10:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #NG#y:0:255:0:1 g:0.4e-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #NG#y:0:0:0:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #NG#y:0:250
```

```
tmp/train+test.dat ${dn_regression} ###save the file for regression(function approximation)
.rain+test.dat ${dn_regression} ###save the file for regression(function approximation)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cd ${PWD0}
 echo cp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ####
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ###
                                                                                                                                                                                                                                                                                                                                                 17292
17293
17294
17295
                                                                                                                                                                                                                                                                                                                                                                                                                      17297
17298
17299
17300
17301
17304
17304
17306
17309
17309
17309
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17312
17313
17314
17315
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17332
17333
17334
17335
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             17339
17340
17341
17342
17343
                                                                                                                                                                                                                                                                                                          17289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17319
17320
17321
17323
17324
17325
17326
17326
17328
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    17330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 17338
                                                                                                                                                                                                                                                                                                                                    17291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17316
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     17317
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  17318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       17336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    17311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    17337
                                                                                                                                                                                                                                                                                                                         17290
              #NG#rsa:-2:1:1:1 k=8 N=N:34-34:1 y:-29.156250:21.381250 x:0:0 r:1:100
#NG##MSE=1.861181e+01 MSEdy=8.641334e+00(t:2000-2200) 0-2000:2000-2200k8N34mp1:1:1.000000H1-dy
#NG##MSE=4.713504e+00 MSEdy=1.730549e+00(t:2000-2200) 0-2000:2000-2200k8N34mp1:1:1.000000H1-dy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (dn_timeseries) Trrain,Ttotal: points in time of training and total data 0 0 0 <math display="inline">Trrain young young ylmin ylmax for normalization
                                                                                                                                                                                                                                                                                                                                                                                            #Ttrain, Ttotal: points in time of training and total data #y0min y0max y1min y1max for normalization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #0:timeseries,1:chaos prepare_data() in my_function.c
                                                                                                                                                                                                                                                                                                                                                 cat > param.dat << BOF
0 #0:timeseries,1:chaos prepare_data() in my_function.c
                                                                                                            dn_timeseries=./data/${dname}.dat;
Mn_regression=.tup/${dname}-fa.
Nl=32 ;Nz=60 :ens= #>>MsB---:5.078947e+02 NMSB---:5.022706e-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5e-3 0.7 #i=0:online,i=1:batch, gamma0, entropy_thresh
                                                                                                                                                                                                                                                                                                                                                                                                                      #y0min y0max y1min y1max for normalization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ###save parameters
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #iterations to execute
                                                                                                                                                                                                                                                                                                                                                                                                                                                 #n_cells storing vectors
                                                                                                                                                                                                                                                  while [ ${N} -le ${N2} ]; do
file=tmp/bestmspks{8},net
predfile=tmp/predictNs{N}.dat
if [ -e ${file} , then
echo $file exists. Omit calculation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                dn_regression=./tmp/${dname}-rg.dat
cat >param.dat << EOF ###save paran</pre>
                                                                  ###do from here for ensemble
for dofromhere in 1 ; do
dname=fuchi-a ;K=9 ;T=100 ;g=5e-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    dn_timeseries=./data/${dname}.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       echo "Executing can2 for N=${N}"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ${dn_timeseries} #training file
2000 2200 1000 #Ttrain,Ttot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         window width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #v_thresh v_min
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ### do to here for ensemble
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /dev/null
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cp bestmsp.net ${file}
cp predict.dat ${predfile}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        export ens=$ens" "${file}
                                                                                                                                                                                                                        T1='expr ${t0} + ${t1}'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #n_compare
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /can2 < param.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     N='expr ${N} + 1'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #v_ratio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #execute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ./can2 <param.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #display
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    <param.dat</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #width
                                                                                                                                                                                                                                                                                                                                                                             0 #channels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0 #channels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 #channels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         dname=fuchi-a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ########
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #######
                                                                                                                                                                                                                                        TOFFS=t4
                                                       060120pm
                                                                                                                                                                                                            T0=${t0}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0 0 0
                                                                                                                                                                                               t4=1000
                                                                                                                                                     N=${N1}
                                                                                                                                                                  t0=3000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.53
                                                                                                                                                                                  t1 = 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             $ {ens}
                                                                                                                                                                                                                                                                                                                                                                                                                                                (Z
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            T 00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            mspe
                                                                                                                         17197
17198
17198
17209
17209
17209
17209
17209
17210
17211
17211
17211
17211
17211
17211
17211
17211
17211
17211
17211
17211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    17225
17226
17227
17228
17228
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17240
17241
17242
17243
17244
17246
17246
17246
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 17252
17253
17254
17255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  17232
17233
17234
17235
17236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     17238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  17239
```

17274 ./ens2ge \${dn_regression} \${dn_regression} N:20-40:1 ib:0:0:0:1 M:1-1:1 k:\${K} g:\${g} T:\${T} > /dev/n ull #最適二二》/数類線 17:\${margaression} N:20-40:1 ib:0:0:0:1 M:1-1:1 k:\${K} gis{g} T:\${T} > /dev/n ull #最適二二》/数類線 17:55 # 48:0 # 4 17281 export T=100 N1=32 method=poles4 t0=1000 t1=2000 t3=2000 t4=200; export N2=\${N1} DISP=2 # 17281 export T=100 N1=32 method=poles4 t0=1000 t1=2000 t3=2000 t4=200; export N2=\${N1} DISP=2 # 17282 for testname=\${testname}\$ towisaki yusuke; do 17283 trainname=\${testname}\$ towisaki yusuke; do 17284 t=1000 t1=1000 t1=10000 t1=1000 t1=10000 t1=1000 t1 17286 'vowelrecog te: { testname} tr:\${trainname} k:9 N:\${NI}-\${NZ} m:\${method} T:\${T} tt:\${t0}:\${t2}:\${t2}:\${t3}:\${t3}:\${t4} DISP:\${DISP}.\${t4} DISP:\${t4} DISP:\${t4 cd .../data
for f in fuchi kitayama nechi ryotarou shingo takemura tomisaki yusuke ; do
for vowel in a i u e o ; do
for vowel in a i u e o ; do
for vowel s(FWND) mabiki s(fs-s(vowel).txt 6 0 > s(fs-s(vowel).dat"
\${PWND}/mabiki s(fs-s(vowel).txt 6 0 > s(fs)-s(vowel).dat DISP==0 for no display DISP==1 for poles display DISP==2 for maps (miltablay DISP==2 for map (miltablay (1) 根立さんにより、新しいデータは10砂程度。データ数は45万位あるので、 サンプリング 周波数は約45kHz.8kHz程度になるようデータを間引きしてみることにした。 cp tmp/train+test.dat \${dn_regression} ###save the file for regressic
###(3) search optimal N by ens2ge for chekking generalization ability
rm -rf result-ens2ge/ /home/kuro/sotu/2006/can2b/mabiki kitayama-i.txt 6 0 > kitayama-i.dat range of x0:-3896.000000:3505.000000 dim1 num_data=79157 (<474939origina1)
/home/kuro/sotu/2006/can2b/mablki kitayama-e.txt 6 0 > kitayama-e.dat /home/kuro/sotu/2006/can2b/mabiki kitayama-a.txt 6 0 > kitayama-a.dat /home/kuro/sotu/2006/can2b/mabiki fuchi-a.txt 6 0 > fuchi-a.dat /home/kuro/sotu/2006/can2b/mabiki fuchi-e.txt 6 0 > fuchi-e.dat trange of x0:-8264.000000:8186.000000 diml num_data=76029 (<456.172original) /home/kuro/sotu/2006/can2b/mabiki fuchi-o.txt 6 0 > fuchi-o.dat range of x0:-18965.000000:16409.000000 diml num_data=72796 (<436774original)
/home/kuro/sotu/2006/can2b/mabiki fuchi-i.txt 6 0 > fuchi-i.dat range of X0:-6423.000000:6419.000000
diml num_data=76706 (<4600336original)

//mom/Nuro/sertu/2006/cam2D/mablki fuchi-u.txt 6 0 > fuchi-u.dat
/range of X0:-32768.000000:32767.000000
diml num_data=82661 (<495963original) /home/kuro/sotu/2006/can2b/mabiki kitayama-u.txt 6 0 > range of x0:-17422.000000:17186.000000 dim1 num_data=106170 (<637016original) diml num_data=81869 (<491211original) dim1 num_data=76474 (<458844original) range of x0:-9251.000000:10652.000000 export PWD0=\${PWD}

17431 diml num_0 17432 /home/kur 17433 range of 1 17434 diml num		/home range dim1				17449 echo "vow :\${t2}:\${t3}:\${t4 17450 vowelreco	₹02-	17453 vowelreco 17454 >>MSE; 17455	17456	1/458 17459 ### 17460 vowelreco			17465 >>MSE; 17466 #te:fuchi	17468 >>MSE;		172	17474 vowelreco				17483 >>MSE; 17484 >>MSE;		17487 #te:ryota: # 17488 vowelreco		17491 >>MSE; 17492 >>MSE; 17493 >>MSE;		17496 >>MSE; 17497 >>MSE; 17498 >>MSE;			17504 >>MSE; 17505 >>MSE;	
17,71	177.	17,71	17,7	17,	17,	17.4 15.5 17.4	:\${t	177	177	177	17,	174	17,	17.	177	174	2.# 17.	17.1	17.	17,	177.	174	2.# 2.# 174	174	174	177	17.	17.	2.#	171	175
					-a.dat	-i.dat	-u.dat	-e.dat		-0.dat	at	at		שר	at	at	† 77 0		-i.dat	-u.dat	-e.dat		-0.dat	-a.dat	-i.dat	-u.dat	-e.dat	‡ 77 ()		שר	at
range of x0:-13610.000000:14907.000000 diml num_data=67461 (<404766original) home/kuro/soru/2006/carsD/mabkir inethi-a.txt 6 0 > nechi-a.dat	nal) nachi-i.txt 6 0 > nechi-i.dat	dimi num.data=75936 (<455616original) Mome/kuro/soucu/2006/can3D/mablk/ nechi-u.txt 6 0 > nechi-u.dat range of xo:-10559.000000:12435.000000	<pre>dim1 num_data=74167 (<444997original) Nome/kuro/sotu/2006/can2b/mablki nechi-e.txt 6 0 > nechi-e.dat range of x0:-5246.000000:6804.000000</pre>	diml num_data=74580 (<447480original) /home/kuro/sotu/2006(<analys) 0="" 6="" mabiki="" nechi-o.txt=""> nechi-o.dat</analys)>	diml num_data=74844 (<44900ci1/22.00000 diml num_data=74844 (<44900ci1/2000) /home/kuro/sotu/2006/can2b/mabiki ryotarou-a.txt 6 0 > ryotarou-a.dat	. rvotarou	range of x0:-2992.000000:3348.000000 dind num.date=7424! (44544600019inal) /home/kuro/sotu/306/can2b/mabiki rvotarou-u.txt 6 0 > rvotarou-u.dat	range of x0:-32767.000000:32767.000000 dind_num_date=71699 (433019100191nal). /home/kuro/sotu/3006/can2b/mabiki_rootarou-e.txf 6 0 > rootarou-e.dat.	,	/ fnome/Kuro/Socu/LVUO/Canady/madalki ryocarou-o.txt o u > ryocarou-o.dat range of x.0:-2777.000006:29810.000000 diml num date=71860 (<42815/Oridinal)	/home/kuro/sotu/2006/can2b/mabiki shingo-a.txt 6 0 > shingo-a.dat range of x0:-8642.000000:6923.000000	<pre>diml num_data=75614 (<453682original) /home/kuro/sotu/2006/can2b/mabiki shingo-i.txt 6 0 > shingo-i.dat</pre>		/nome/kuro/socu/zovo/canzz/maziki sningo-u.cxc o v > sningo-u.cac range of xo:-17573.0000000:19426.000000 diml num data=70770 (<404677rricinal)	home.kro/sotu/2006/can2b/mabik; shingo-e.txt 6 0 > shingo-e.dat	imigo	range of x0:-19099.000000:18581.000000 diml num_data=72716 (<436293oxiginal) home //www./ootw./2016 (<436293oxiginal)	Cancillat	/home/kuro/sotu/2006/an2D/mabiki takemura-i.txt 6 0 > takemura-i.dat range of x0:-15871.000000:14402.00000	diml num_data=71554 (<4293230riginal) Inmerkinro's bstul/2006/cean2b/mablki takemura-u.txt 6 0 > takemura-u.dat	. takemura	range of x0:-5823.000000:7472.000000 diml num_data=77292 (<463752original)	/Ionme/Kurzo/socu/2U0b/canzb/mablkl takemura-o.txt b U > takemura-o.dat range of x0:-25010.000000:19162.000000 diml num_date=7923 (<4435330riginal)	/home/kuro/sotu/2006/can2b/mabiki tomisaki-a.txt 6 0 > tomisaki-a.dat range of x0:-4780.000000:4417.000000	dimi num_data=76368 (<458205cn:ginal.) /home/kuro/sotu/2006/canab/mabl/ki tomisaki-i.txt 6 0 > tomisaki-i.dat x=nnce of vi:-4302 nononi:5177 nonon	. tomisaki	range of x0:-1.5781.000000:16539.000000 diml num_data=72400 (4343998original) ^^ Nome.kuro/scou.2006/can2D/mabiki tomisaki-e.txt 6 0 > tomisaki-e.dat	+ 0 0 7	range for for 1-14451.000001.12091.000000 diml num_data=74675.(<448045criginal)	/ nouse/Auto/socu/z000/danzo/madiki yusuke-a.uxu o u > yusuke-a.dau range of x0.e5112.000000:5109.000000 dimi num data=75183 (<4510930ridinal)	/home/kuro/sotu/2006/can2b/mabiki yusuke-i.txt 6 0 > yusuke-i.dat range of x0:-6633.00000:7812.00000
v ne	> ne	> ne	v ne	> ne	0 9	0 9	0	0		Λ Ο	۸ 0	۸ 0		72 ^ >	^ 0	^ 0	, c		^ 0 9	0 9	0 9		^ >	0 9	× 0 9	^ 0 9	0 9	, c		> ₁	۸ م
0	9	9	0 9	0 9	txt	ţX	t t	t X		ž.	بر بر	بر و		ه ب	و بر	بر بر	<u></u>	3	txt	txt	txt		txt	txt	txt	txt	txt	‡ }		ه ب	t 6
ı.txt	txt	ı.txt	.txt	o.txt	u-a.	ŭ-i.	u-n.	11-e		n-0.	a.tx	i.tx		n.cx	e.tx	o.tx	0	d	.a-i.	a-u.			0- 0-	ci-a.	ti-i.	ci-u.	Ξ. -e.			i Z	i.tx
00) chi-a) chi-:) chi-1	chi-e	chi-c	otard) otarc) otarc	00) otard	_	otard 00)	ingo-) ingo-	0 ^ -	00	ingo-	ingo-	00	00 (kemus 00	kemus	oo) Kemun	_	kemus 00)	misa}) misa}) misa}	oo) misa}	0 (10)	00	enke (suke-
00000 inal	inal	inal i ne 0000	inal i ne 0000	inal i ne	inal i ry	0000 inal	0000 inal i ry	0000 inal	0000 inal	1 ry 0000 inal	i sh 0000	inal i sh	0000 inal	1 Sf.	i sh	inal i sh	00000 inal	0000 inal	i tal	inal i ta	inal ital	0000 inal	1 ta 0000 inal	i to	inal i to	inal i to	0000 inal i to	0000 inal	0000 inal	1 Yu 0000 inal	i yu
1907. Sorig	forig	forig nabik 2435.	7orig nabik 14.00	lorig nabik	lorig nabik	32.00 Sorig	18.00 Sorig	2767. Lorig	38.00 Jorig	nabik 9810. 7oriq	nabik 23.00	2orig nabik	977.0 30rig	Mabik 9426. 70rig	nabik	forig	3581. 30rig	1362. 3oriq	nabik 1402.	Sorig nabik	30rig Rabik	72.00 20rig	nabik 9162. 3orig	nabik 17.00	orig nabik 17 00	Sorig	5539. Sorig nabik	976.0 Jorig	2091.	mabik 19.00 30riq	nabik 12.00
00000:14907.00000 (<404766original /can2b/mabiki ne	(<429904original) (<a20904original) //can2b/mabiki nec</a20904original) 	55616 n2b/r	44997 n2b/r 0:680	4748(n2b/r	4906. n2b/r	0:658 31499 n2b/t	0:334 4544(n2b/r	3019	0:67	00:29 2815	n2b/r 0:69;	5368; n2b/r	0:149	00:19	n2b/r	35276 n2b/t	36293 36293	3135	n2b/r	2932 n2b/r	34398 n2b/r	0:74	n2b/r 00:19 43533	n2b/r 0:44]	58209 n2b/r 0:510	90716 n2b/r	00:16 34398 n2b/t	0:129 52210	00:12	0:510 51093	n2b/r 0:78
.0000 1 (<4 06/ca	1 (<4 06/ca	5 (<4 5 (<4 0000	7 (<4 06/ca 00000	0 (<4)	.000 4 (<4 06/ca	00000 5 (<4 06/ca	00000 1 (<4 06/ca	.0000 9 (<4	00000	.0000 .0000 .0000	06/ca	4 (<4 06/ca	00000	00000)6/ca	6 (<4 06/ca	.0000 5 (<4	.0000	0000.	4 (<4 06/ca	.0000) (<4)6/ca	00000	ენ/ ca . 0000 3 (<4	06/ca	3 (<4 06/ca	5 (<4 06/ca	.0000) (<4)6/ca	00000	.0000	00000 00000 3 (<4	06/ca
3610 6746 u/20	7165 u/20	7593 u/20	7416 u/20 246.	7458 u/20	7484 u/20	7196.	7424 1/20	7169	7627	2767	u/20	7561 u/20	7459	7573	14/20 7915	7254 u/20	7271	1997	14/20 5871	7155 u/20	7240 17240	823.	14/20 5010 7392	14/20 1780.	7636 u/20	8178 u/20	5781 7240 u/20	7536	7467	712.	.u/20
of x0:-13610.000000:14907.000000 nnm_data=67461 (<40476original) :/kuro/sotu/2006/can2b/mabiki nech	data= o/sot	data= o/sot x0:-1	data= o/sot x0:-E	data= o/sot	data= o/sot	x0:-7 data= o/sot	x0:-2 data= o/sot	x0:-3 data= o/sot	x0:-4 data=	o/sot x0:-3 data=	o/sot x0:-8	data= o/sot	x0:-8 data=	x0:-1	0/sot	data= o/sot	x0:-] data= o/sot	x0:-1 data=	o/sot x0:-1	data= o/sot	data= o/sot	x0:-E	o/sot x0:-2 data=	o/sot x0:-4	data= o/sot v0:-/	data= o/sot	x0:-] data= o/sot	x0:-8	x0:-1 data=	o/sor x0:-6 data=	o/sot x0:-6
num_ s/kur	range or xv:-0100.000000.0972.000 diml num_data=71651 (<4299040xigi) /home/kuro/sotu/2006/can2b/mabiki	range of x0:-10559.00000:12435.000000	hum_ e/kur	dim_ num_data=74580 (<447480original) /home/kuro/sotu/2006/can2b/mabiki ned	diml num_data=74844 (<449061original) /home/kuro/sotu/2006/can2b/mabiki ryo	range of x0:-7196.000000:6582.000000 diml num_data=71916 (<431495original) /home/kuro/sotu/2006/can2b/mabiki rvo	num_	num_	range of x0:-4296.000000:6738.000000 diml num_data=76275 (<457650original)	of num	kur of	num_	range of x0:-8555.000000:14977.000000 diml num_data=74599 (<447593original)	/Mome/Kuro/socu/zovo/canzb/mabiki Sn. range of XO:-17573.000000:19426.00000	-/kur	num_	num_	of num	kur of	num_ =/kur	num_ /kur	num	e/kur e of : num_(/home/kuro/sotu/2006/can2b/mabiki tom range of x0:-4780.000000:4417.000000	num_ e/kur	diml num_data=81786 (<490716original) /home/kuro/sotu/2006/can2b/mabiki tom	num_ /kur	diml num_data=75369 (<452210original)	num .	of of	kur of
range diml r /home/	dim1	dim1 /home	dim1 /home range	dim1	dim1	range dim1	range dim1	range dim1	range dim1	/ nom/ range diml	/home	dim1	range dim1	range	/home	dim1	range dim1	range dim1	/home	dim1 /home	dim1	range dim1	/home, range diml r	/home	diml /home	dim1	range diml n /home,	range dim1	range dim1	range diml r	/home

177355 17

```
yama-aiueo-t1000+2000 are recognized as tr:kitayama-aiueo-t1000+2000 (5/5) via m:poles4N32-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               arou-aiueo-t1000+2000 are recognized as tr:ryotarou-aiueo-t1000+2000 (5/5) via m:poles4N32-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 mura-aiueo-t1000+2000 are recognized as tr:takemura-aiueo-t1000+2000 (5/5) via m:poles4N32-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cog te:fuchi tr:fuchi k:9 N:32-32 m:poles4 T:100 tt:1000:2000:200 DISP:2#
3.48.6856ept 77 NASE---:1.339126e+00
3.4.115510e+06 NASE---:1.544517e+00
5.6.45106e+07 NASE---:5.944517e+00
5.6.1155106e+07 NASE---:5.944517e+00
5.6.20136e+07 NASE---:5.944517e+00
5.6.20136e+07 NASE---:5.944517e+00
Ai-aiueo-L1000+2000 are recognized as tr:fuchi-aiueo-L1000+2000 (5/5) via m:poles4N32-32.#
Ai-aiueo-L1000+2000 are recognized as tr:fuchi-aiueo-L1000+2000 (5/5) via m:poles4N32-32.#
5.1.58444e+06 NASE---:6.66098e-01
5.2.81012a+06 NASE---:7.30896e-01
5.2.81012a+06 NASE---:7.30896e-01
5.2.81012a+06 NASE---:3.557695e-01
5.1.024068e+07 NASE---:3.557695e-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          oog teitomisaki tritomisaki k:9 N:32-32 m:poles4 T:100 tt:1000:2000:2000:200 DISP:2#
-5.530446=05 NNSE---3.3.505586=-01
-5.379414=05 NNSE---19.327818=00
-7.1.171460=05 NNSE---19.559322=02
-7.1.171460=07 NNSE---19.56651=00
                                                                                                                                                                                                                                                                                                                    mp
=100 NI=32 method=poles4 t0=1000 t1=2000 t2=1000 t3=2000 t4=200; export N2=${NI} DISP=2 #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                og te:fuchi tr:fuchi k:9 N:40-40 m:poles4 T:100 tt:1000:2000:1000:2000:200 DISP:2 ./2.888884e+07 NMSE---;1.049632e+00
                                                                                                                                                                                                                                                                                                                                                                    name in fuchi kitayama nechi ryotarou shingo takemura tomisaki yusuke ; do
                                                                                                                                                                 nro/sotu/2006/can2b/mabiki yusuke-o.txt 6 0 > yusuke-o.dat
t.sot-a2757,00000132767,0000000
...ata=75089 (<450531criginal)</pre>
                      xo/sotu/2006/can2b/mabiki yusuke-u.txt 6 0 > yusuke-u.dat
x0:-31624.000000:32767.000000
                                                                                             ro/sotu/2006/can2b/mabiki yusuke-e.txt 6 0 > yusuke-e.dat
x0:-17334.000000:19034.000000
_data=81786 (<490716original)
                                                                                                                                             _data=78648 (<471888original)
                                                                      _data=77462 (<464769original)
                                                                                                                                                                                                                                                              8力(訓練=テスト)のチェック
                                                                                                                                                                                                                                                                                                                                                                                           ie=${testname
                                                                                                                                                                                                                                                                                                                                                                                                                    n 1000 ; do
```

```
0.530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ########
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              060116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   can2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          17635
17636
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17611
17612
17613
17614
17615
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17580
17582
17583
17584
17585
17586
17586
17589
17590
17590
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17594
17595
17596
17597
17598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17604
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    17606
17607
17608
17609
17610
                                                                                                                                                                                                                                                                                    17575
                                                                                                                                                                                                                                                                                                                                                                                                                                         17578
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       17601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     17603
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          17638
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #te:nechi-aiueo-t1000+2000 are recognized as tr:kitayama-iiuoo-t1000+2000 (3/5) via m:poles4N25-35.# #te:ryotarou-aiueo-t1000+2000 (4/5) via m:poles4N25-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #te:fuchi-aiueo-t1000+2000 are recognized as tr:kitayama-aiueo-t1000+2000 (5/5) via m:poles4N32-32.#
#te:kitayama-aiueo-t1000+2000 are recognized as tr:kitayama-aiueo-t1000+2000 (5/5) via m:poles4N32-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #te:nechi-aiueo-t1000+2000 are recognized as tr:kitayama-uiuoo-t1000+2000 (3/5) via m:poles4N32-32.# #te:ryotarou-aiueo-t1000+2000 (4/5) via m:poles4N32-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #te:nechi-aiueo-11000+2000 are recognized as trikitayama-uiuoo-t1000+2000 (3/5) via m:poles4N32-32.# #te:nechi-aiueo-11000+2000 (5/5) via m:poles6N32-32.# #te:tuchi-aiueo-11000+2000 (4/5) via m:poles84N32-33.# #te:tychi-aiueo-11000+2000 (4/5) via m:poles84N32-33.# #te:rycicarou-aiueo-11000+2000 (4/5) via m:poles84N32-33.# #te:rycicarou-aiueo-11000+2000 (4/5) via m:poles84N32-33.#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #te:nechi-aiueo-t1000+200 are recognized as tr:kitayama-uiaeo-t1000+2000 (3/5) via m:directNI-1.# #te:fuchi-aiueo-t1000+200 as tr:kitayama-oioeo-t1000+2000 (3/5) via m:directNI-1.# #te:ryotarou-aiueo-t1000+200 are recognized as tr:kitayama-aiio-0-1000+2000 (3/5) via m:directNI-1.# #te:shingo-aiueo-t1000+200 are recognized as tr:kitayama-aiiio-01000+2000 (3/5) via m:directNI-1.# #te:shingo-aiueo-t1000+200 are recognized as tr:kitayama-uiueo-t1000+2000 (4/5) via m:directNI-1.#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    17523 echo "vowelrecog te:${testname} tr:${trainname} k:9 N:${N1}-${N2} m:${method} T:${T} tt:${t0}:${t1}:${t1}.5{t2}:${t1}:${t1}:${t1}.5{t2} is t2]:${t2}:${t2}:${t2}:${t1}:${t1}.5{t2} is t2]:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t3}:${t4} is t2:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:${t2}:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #te:fuchi-aiueo-t1000+2000 are recognized as tr:kitayama-aiueo-t1000+2000 (5/5) via m:poles4N25-35.#
#te:kitayama-aiueo-t1000+2000 are recognized as tr:kitayama-aiueo-t1000+2000 (5/5) via m:poles4N25-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #te:tomisaki-aiueo-t1000+2000 are recognized as tr:kitayama-aiueo-t1000+2000 (5/5) via m:poles4N25-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #te:tomisaki-aiueo-t1000+2000 are recognized as tr:kitayama-aiueo-t1000+2000 (5/5) via m:poles4N25-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #te:takemura-aiueo-t1000+2000 are recognized as tr:kitayama-aioio-t1000+2000 (3/5) via m:poles4N32-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #te:tomisaki-aiueo-t1000+2000 are recognized as tr:kitayama-aiueo-t1000+2000 (5/5) via m:poles4N32-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #te:nechi-aiueo-t10004-2000 are recognized as tr:Kitayama-uouoa-t10000-2000 (1/5) via m:poles4M1-1.#
#te:tuchi-aiueo-t1000-2000 are recognized as tr:Kitayama-aiaie-t1000-2000 (4/5) via m:poles4M1-1.#
#te:tyckarou-aiueo-t1000-2000 are recognized as tr:Kitayama-aiaie-t1000-2000 (4/5) via m:poles4M1-1.#
#te:tomisaki-aiueo-t1000+2000 are recognized as tr:tomisaki-aiueo-t1000+2000 (5/5) via m:poles4N32-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #te:takemura-aiueo-t1000+2000 are recognized as tr:kitayama-aioio-t1000+2000 (3/5) via m:poles4N25-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #te:nechi-aiueo-11000+2000 are recognized as tr:kitayama-viaeo-11000+2000 (3/5) via m:directNI-1.# #te:nechi-aueo-11000+2000 sy by m: directNI-1.# #te:fuchi-aueo-11000+2000 are recognized as tr:kitayama-oiaeo-11000+2000 (3/5) via m:directNI-1.# #te:ryofacarou-aiueo-11000+2000 are recognized as tr:kitayama-aiiio-11000+2000 (3/5) via m:directNI-1.#
                                                                                                                                                                                                                                                                                                                                                                                       #te:yusuke-aiueo-t1000+2000 are recognized as tr:yusuke-aiueo-t1000+2000 (5/5) via m:poles4N32-32.#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #te:shingo-aiueo-t1000+2000 are recognized as tr:kitayama-aiueo-t1000+2000 (5/5) via m:poles4N25-35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #te:shingo-aiueo-t1000+2000 are recognized as tr:kitayama-aiueo-t1000+2000 (5/5) via m:poles4N32-32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #te:yusuke-aiueo-t1000+2000 are recognized as tr:kitayama-aiueo-t1000+2000 (5/5) via m:poles4N32-32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #te:shingo-alueo-t1000+2000 are recognized as tr:kitayama-alueo-t1000+2000 (5/5) via m:poles4N32-32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #te:shingo-alueo-t1000+2000 are recognized as tr:kitayama-oluio-t1000+2000 (3/5) via m:poles4N1-1.#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #te:shingo-aiueo-t1000+2000 are recognized as tr:kitayama-uiaeo-t1000+2000 (3/5) via m:directN1-1.#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         export T=100 N1=32 method=poles4 t0=1000 t1=2000 t2=1000 t3=2000 t4=200; export N2=${N1} DISP=0 rm -rf tmp
                                                                                                   tr:yusuke k:9 N:32-32 m:poles4 T:100 tt:1000:2000:1000:2000:200 DISP:2#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     export T=100 N1=32 method=poles4 t0=1000 t1=2000 t2=1000 t3=2000 t4=200; export N2=${N1}
rm -rf tmp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                for testname in fuchi kitayama nechi ryotarou shingo takemura tomisaki yusuke ; do
                                                                                                   vowelrecog te:yusuke tr:yusuke k:9 N:32-32 >>MSE--i2.68399+06 NMSE---i7.12151238+00 >>MSE---i7.0659128+01 >>MSE---i7.6675978-01 >>MSE---i5.862346e+07 NMSE---i7.5705618-01
                                                                                                                                                                                                                                                                                    >>MSE---;2.644290e+06 NMSE---;1.200502e-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        for t2 in 1000 ; do
echo "vowelrecog te:${testname}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        rm -rf tmp
for testname in kitayama ; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 trainname=kitayama
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5.#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2.#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5.#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       5.#
                                                                                                                                                                                                                                        17512
17513
17514
17515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5.#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       17533
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          17538
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2.#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          17542
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2.#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2.#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       17529
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2.#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      17546
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         17548
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      17531
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17537
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          17540
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

7574 vowelrecog te:\${testname} tr:\${trainname} k:9 N:\${NI}-\${N2} m:\${method} T:\${T} tt:\${t0}:\${t1}:\${t2}{t2};\${t4} DISP:\${DISP} >/dev/null #te:kitayama-aiueo-t1000+2000 are recognized as tr:nechi-oiueo-t1000+2000 (4/5) via m:poles4N32-32.# 17600 vowelrecog te:\${testname} tr:\${trainname} k:9 N:\${NI}-\${N2} m:\${method} T:\${T} tt:\${t0}:\${t1}:\${t2}};\${t3} tr:\${trainname} k:9 N:\${N1}-\${N2} m:\${method} T:\${T} tt:\${t0}:\${t1} DISP=2 #for display msp (multi-step prediction) export T=100 N1=32 method=poles4 t0=1000 t1=2000 t2=1000 t3=2000 t4=200; export N2=\${N1} DISP=2# #30:15(N:30-44) Lhat=5.220e+01 Lvarminl03=1.750e+02 Lvar0=1.750e+02 Lval=1.254688e+04**N:35-39 rm -rf tmp for the first for the first for the first for the for testname in fuchi kitayama nechi ryotarou shingo takemura tomisaki yusuke ; do tr:\${trainname} k:9 N:\${N1}-\${N2} m:\${method} 2000 2200 1000 #Ttrain, Ttotal: points in time of training and total data -20000 20000 0 1 #yOmin yOmax ylmin ylmax for normalization DISP==2 for msp (multi-step-prediction) display for f in fuchi kitayama nechi ryotarou shingo takemura tomisaki yusuke ; #YOmin yOmax ylmin ylmax for normalization #0:timeseries,1:function approximation in my_function.c cat >param.dat << EOF ###save parameters
0 #0:timeseries,1:chaos prepare_data() in my_function.c</pre> for vowel in a i u e o ; do echo "mv \${f}-\${vowel}, txt \${f}-\${vowel}. dat" mv \${f}-\${vowel}. txt \${f}-\${vowel}. dat" dn_regression=./tmp/\${dname}-rg.dat /data/fuchi-o.dat #training file (2) 学習能力(訓練=テスト)のチェック dn_timeseries=./data/\${dname}.dat echo "vowelrecog te:\${testname} 9 0 #channels \${dn_timeseries} #training file 2000 2200 1000 #Ttrain, Troi 0 0 0 #yomin yomax ylmin echo "vowelrecog te:\${testname} #n_compare #v_thresh vmin vmin2 (1) DISP==1 for poles display :\${t2}:\${t3}:\${t4} DISP:\${DISP} #n_units for t2 in 1000 ; do for t2 in 1000 ; do #Hen futi-u e o dname=fuchi-e

)) via m:directNl-l.#soso?
)) via m:directNl-l.#
)) via m:directNl-l.# sawa eguti ; do } " = "sawa"] ; then trainname=eguti ;elif [$$\{\text{testname}\}$" = "eguti"] ; then trainn$ tr:\${trainname} k:9 N:\${N1}-\${N2} m:\${method} T:\${T} tt:\${t0}:\${t1} sawa eguti ; do e}" = "sawa"] ; then trainname=eguti ;elif ["\${testname}" = "eguti"] ; then trainn 2000 3000 4000 5000 6000 7000 8000 ; do g te:\${testname} tr:\${trainname} k:9 N:\${NI}-\${N2} m:\${method} T:\${T} tt:\${t0}:\${t1} tr:\${t0}:\${t1}:\${t2} tr:\${trainname} k:9 N:\${N1}-\${N2} m:\${method} T:\${T} tt:\${t0}:\${t1} te: $\$\{\text{testname}\}$ tr: $\$\{\text{trainname}\}$ k:9 N: $\$\{\text{N1}\}$ - $\$\{\text{N2}\}$ m: $\$\{\text{method}\}$ T: $\$\{\text{T}\}$ tt: $\$\{\text{t0}\}$: $\$\{\text{t1}\}$ {testname} tr:\${trainname} k:9 N:\${N1}-\${N2} m:\${method} T:\${T} tt:\${t0}:\${t1}:\${t2} [testname] tr:\${trainname} k:9 N:\${N1}-\${N2} m:\${method} T:\${T} tt:\${t0}:\${t1}:\${t2} tr:\${trainname} k:9 N:\${N1}-\${N2} m:\${method} T:\${T} tt:\${t0}:\${ ons for more convenient 1>:<t2>:<t3>: [<t0>,<t0>+<t1>] for training, [<t2>,<t2>+<t3>] for test export N2=\${N1} ediction error cで、半径が rjs1.0 || rjs0.0 の極は評価しないようにした。 =1 method=poles4 t0=1000 t1=4000 t2=1000 t3=4000; export N2=\${N1} # N1=1 method=poles4 t0=1000 t1=1000 t2=1000 t3=1000; export N2=\${N1} fuchi kitayama nechi ryotarou shingo takemura tomisaki yusuke ; do =1 method=poles4 t0=1000 t1=4000 t2=1000 t3=4000; export N2=\${N1} # l method=poles4 t0=1000 t1=4000 t2=1000 t3=4000; export N2=\${N1} # fuchi ; do method=poles4 t0=1000 t1=1000 t2=1000 t3=1000; export N2=\$ $\{N1\}$ # on using prediction error with N=1 -1000+1000 are recognized as trieguti-aiueo-t1000+1000 (5/5) --t2000+1000 are recognized as trieguti-aiueo-t1000+1000 (5/5) -t3000+1000 are recognized as trieguti-aiueo-t1000+1000 (5/5) --t4000+1000 are recognized as trieguti-aiueo-t1000+1000 (5/5) --t5000+1000 are recognized as trieguti-aiueo-t1000+1000 (5/5) -t7000+1000 are recognized as trieguti-aiueo-t1000+1000 (5/5) --t8000+1000 are recognized as trieguti-aiueo-t1000+1000 (5/5) -t0000+1000 are recognized as trieguti-aiueo-t1000+1000 (5/5) --t8000+1000 are recognized as trieguti-aiueo-t1000+1000 (5/5) cで、半径が zj>1.0 || zj<0.35 の極は評価しないようにした。 2=1600) fuchi ; do
ama:nechi:ryotarou:shingo:takemura:tomisaki:yusuke stance of shrinked poles stance of Associative Matirices ecog te:\${testname} g te:\${testname} te:\${testname} stance of poles

17727 (3) export T=100 p 17728 for testname in
17728 17728 17728 17729
0.2 Sec 3 0.7 #window width 100 63 350 #iterations, rot_x, rot_z 100 63 350 #iterations, rot_x, rot_z Designation of the contine of the co
17645 17645 17645 17645 176645 176646 176655 176655 176655 176655 176655 176655 176655 176655 176655 176655 176655 176655 176655 176655 176655 176655 176659

276 Page ?

m:poles4N1-1.#rj>0&& m:poles4N1-1.#rj>0&& m ipoles4NIm ipoles4NI-m ipoles4NIm ipoles4NIpoles4N1 E Via via (5/5) (5/5) (5/5) (5/5) (5/5) (5/5) (5/5) (5/5) (5/5) 00 are recognized as trieguti-aiueo-t1000+3000 (5/00 are recognized as trieguti-aiueo-t1000+3000 (4/00 are recognized as trieswa-aiuea-t1000+3000 (5/00 are recognized as trieswa-aiuea-t1000+3000 (5/00 are recognized as trieswa-aiuea-t1000+3000 (5/00 are recognized as trieswa-aiueo-t1000+3000 (5/00 are recognized as trieswa-aiueo-t1000+3000 (5/00 are recognized as trieswa-aiueo-t1000+3000 (5/00) are recognized as trieswa-aiueo-t10000+3000 (5/00) are recognized as trieswa-aiueo-t1000+3000 (5/00) 4/5/ 00 are recognized as tr:eguti-aiueo-t1000+8000 (5/00 are recognized as tr:sawa-aiueo-t1000+8000 (5/00 are recognized as tr:sawa-aiueo-t100000 (5/00 are arecognized as tr:sawa-aiueo-t100000 (5/00 arecognized as tr:sawa-aiueo-t100 is tr:eguti-aiueo-t1000+2000 (5 as tr:sawa-aiueo-t1000+2000 (5 as tr:sawa-aiueo-t1000+200 (5 as tr:sawa-aiueo-t1000+20 tr:sawa-aiueo-t1000+2000 tr:sawa-aiueo-t1000+2000 as tr:eguti-aiueo-t1000+8000 tr:eguti-aiueo-t1000+2000 recognized as tr ងន are recognized a pare recognized a are recognized a are recognized a recognized a pare recognized a lare recognized a lare recognized on are recognized or are recognized are recognized are recognized are recognized are recognized are recognized or are recognized. recognized recognized ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 | ## 15 are are are are #te:sawa-aiueo-t2000+2000 are #te:sawa-aiueo-t2000+2000 are #te:sawa-aiueo-t4000+2000 are #te:sawa-aiueo-t5000+2000 are #te:sawa-aiueo-t5000+2000 are #te:sawa-aiueo-t5000+2000 are #te:sawa-aiueo-t5000+2000 are #te:sawa-aiueo-t2000+2000 are #te:sawa-aiueo-t2000+2000 are #te:saya-aiueo-t2000+2000 are #te:eguti-aiueo-t2000+2000 are #te:eguti-aiueo-t5000+2000 are #te:eguti-aiueo-t6000+2000 are #te:eguti-aiueo-t6000+2000 are #te:eguti-aiueo-t6000+2000 are #te:eguti-aiueo-t6000+2000 are #te:sawa-aiueo-t1000+3000 are #te:sawa-aiueo-t2000+3000 are #te:sawa-aiueo-t3000+3000 are #te:sawa-aiueo-t5000+3000 are #te:sawa-aiueo-t5000+3000 are #te:sawa-aiueo-t7000+3000 are #te:sawa-aiueo-t7000+3000 are #te:sawa-aiueo-t2000+3000 are #te:eguti-aiueo-t2000+3000 are #te:eguti-aiueo-t2000+3000 are #te:eguti-aiueo-t2000+3000 are #te:eguti-alueo-t4000-3000 ax #te:eguti-alueo-t5000+3000 ax #te:eguti-alueo-t5000+3000 ax #te:eguti-alueo-t7000+3000 ax #te:eguti-alueo-t7000+3000 ax #te:eguti-aiueo-t7000+8000 #te:eguti-aiueo-t8000+8000 #te:eguti-aiueo-t8000+2000 #te:sawa-aiueo-t1000+8000 #te:sawa-aiueo-t1000+2000 Ogood, rj<=1.0 17911 17879 17880 17881 17883 17884 17886 17886 17889 17899 17891 17891 17892 17892 17893 17893 17893 17897 17898 17899 17900 17901 17903 17904 17906 17906 17900 17900 17911. 17911. 17911. 17911. 1792. 1792. 1792. 1793. 1793. 1793. 1793. 1793. 1793. 1793. 1793. 1794. 1794. 1794. 1794. 1794. 1794. 1794. 1794. 1794. 1794.

m m M4N1-1. #
m m M4N1-1. # m:M4N1-1.# m:M4N1 \(\cdot \) \(\cd (5/5) rix with N=1

zed as tr:equti-uiueo-t1000+4000 (4

as tr:equti-aiueo-t1000+4000 (5)

ed as tr:equti-aiueo-t1000+4000 (5)

zed as tr:eawa-aiueo-t1000+4000 (5)

zed as tr:aawa-aiueo-t1000+4000 (5)

zed as tr:aawa-aiueo-t1000+4000 (5)

zed as tr:aawa-aiueo-t1000+4000 (4)

zed as tr:aawa-aiueo-t1000+4000 (4)

zed as tr:aawa-aiueo-t1000+4000 (4)

zed as tr:aawa-aiueo-t1000+4000 (4)

zed as tr:aawa-aiueo-t1000+4000 (4) recognized as trecognized as trecogn sociative matrix w of are recognized as associative #### recognition using associative
##te:ssawa_aiueo-L1000044000 are recommented is sawa_aiueo-L2000044000 are recommented is sawa_aiueo-L2000044000 are recommented is sawa_aiueo-L500044000 are recommen

#soso

m:M4N1-1.# m:M4N1-1.# m:M4N1-1.# m:M4N1-1.#
m:M4N1-1.#
m:M4N1-1.#
m:M4N1-1.# E m: (4/5) 00 are recognized as tr:eguti-ulueo-t1000+1000 (4) of are recognized as tr:eguti-alueo-t1000+1000 (5) on are recognized as tr:sawa-aeueu-t1000+1000 (5) on are recognized as tr:sawa-alueo-t1000+1000 (5) tr:eguti-uiueo-t1000+1000 ದ recognized are #te:sawa-aiueo-t2000+1000 ax #te:sawa-aiueo-t3000+1000 ax #te:sawa-aiueo-t4000+1000 ax #te:sawa-aiueo-t5000+1000 ax #te:sawa-aiueo-t7000+1000 ax #te:sawa-aiueo-t7000+1000 ax #te:sawa-aiueo-t8000+1000 ax #te:eguti-aiueo-t1000+1000 #te:eguti-aiueo-t2000+1000 #te:eguti-aiueo-t3000+1000 sawa-aiueo-t1000+1000

j<=1.0soso

readmecan2mspeech.txt

#te:sawa-aiueo-t1000+7000 are recognized as tr:eguti-aiueo-t1000+7000 (5/5) via m:poles4N1-1.#rj>0.5 #te:sawa-aiueo-t1000+8000 are recognized as tr:eguti-aiueo-t1000+8000 (5/5) via m:poles4N1-1.#rj>0.5 via m:poles4N1-1.#
via m:poles4N1-1.# | via m:poles4N1-1.#
| via m:poles4N1-1.#
| via m:poles4N1-1.#
| via m:poles4N1-1.#
| via m:poles4N1-1.#
| via m:poles4N1-1.#
| via m:poles4N1-1.#
| via m:poles4N1-1.#
| via m:poles4N1-1.#
| via m:poles4N1-1.#
| via m:poles4N1-1.#
| via m:poles4N1-1.#
| via m:poles4N1-1.#
| via m:poles4N1-1.#
| via m:poles4N1-1.#
| via m:poles4N1-1.#
| via m:poles4N1-1.#
| via m:poles4N1-1.#
| via m:poles4N1-1.#
| via m:poles4N1-1.# via m:poles4M1-1.#
via m:poles4M1-1.# via m:poles4N1-1.# via m:poles4N1-1.# via m:poles4N1-1.# 4.6:sawa-aiueo-t200044000 are recognized as tr:eguti-aeueo-t100044000 (4/5) via 303 #te:sawa-aiueo-t200044000 are recognized as tr:eguti-aeueo-t100044000 (4/5) via 305 #te:sawa-aiueo-t400044000 are recognized as tr:eguti-aeueo-t100044000 (4/5) via 305 #te:sawa-aiueo-t500044000 are recognized as tr:eguti-aeueo-t100044000 (4/5) via 303 #te:sawa-aiueo-t50004400 are recognized as tr:eguti-aeueo-t100044000 (4/5) via 303 #te:sawa-aiueo-t200044000 are recognized as tr:eguti-aeueo-t100044000 (4/5) via 304 #te:sawa-aiueo-t200044000 are recognized as tr:eguti-aeueo-t100044000 (4/5) via 304 #te:sawa-aiueo-t200044000 are recognized as tr:sawa-aiueo-t100044000 (5/5) via 304 #te:eguti-aiueo-t20004400 are recognized as tr:sawa-aiueo-t100044000 (5/5) via 304 #te:eguti-aiueo-t20004400 are recognized as tr:sawa-aiueo-t100044000 (5/5) via 304 #te:eguti-aiueo-t50004400 are recognized as tr:sawa-aiueo-t10004400 (5/5) via 304 #te:eguti-aiueo-t50004400 are recognized as tr:sawa-aiueo-t the:sawa-aiueo-t2000+7000 are recognized as trieguti-aiueo-t1000+7000 (5/5) free:sawa-aiueo-t3000+7000 are recognized as trieguti-aiueo-t1000+7000 (5/5) free:sawa-aiueo-t4000+7000 are recognized as trieguti-aiueo-t1000+7000 (5/5) free:sawa-aiueo-t6000+7000 are recognized as trieguti-aiueo-t1000+7000 (5/5) free:sawa-aiueo-t6000+7000 are recognized as trieguti-aiueo-t1000+7000 (5/5) free:sawa-aiueo-t8000+7000 are recognized as trieguti-aiueo-t1000+7000 (5/5) free:eguti-aiueo-t1000+7000 are recognized as trieguti-aiueo-t1000+7000 (5/5) free:eguti-aiueo-t1000+7000 are recognized as trisawa-aiueo-t1000+7000 (5/5) free:eguti-aiueo-t1000+7000 are recognized as trisawa-aiueo-t1000+7000 (5/5) free:eguti-aiueo-t2000+7000 are recognized as trisawa-aiueo-t1000+7000 (5/5) #te:eguti_aiueo-t3000+7000 are recognized as tr:sawa-aiueo-t1000+7000 (5/5) #te:eguti_aiueo-t4000+7000 care recognized as tr:sawa-aiueo-t1000+7000 (5/5) #te:eguti_aiueo-t5000+7000 are recognized as tr:sawa-aiueo-t1000+700 (5/5) #te:eguti_aiueo-t5000+7000 are recognized as tr:sawa-aiueo-t1000+700 (5/5) #te:eguti_aiueo-t7000+700 or recognized as tr:sawa-aiueo-t1000+700 (5/5) #te:eguti_aiueo-t7000+700 are recognized as tr:sawa-aiueo-t1000+700 (4/5) #te:eguti_aiueo-t7000+700 are recognized as tr:sawa-uiueo-t1000+700 (4/5) #te:eguti.aiueo-t1000+8000 are recognized as tr:sawa-aiueo-t1000+8000 (5/5) #te:eguti.aiueo-t2000+8000 are recognized as tr:sawa-aiueo-t1000+8000 (5/5) #te:eguti.aiueo-t3000+8000 are recognized as tr:sawa-aiueo-t1000+8000 (5/5) #te:eguti.aiueo-t5000+8000 are recognized as tr:sawa-aiueo-t1000+8000 (5/5) #te:eguti.aiueo-t5000+8000 are recognized as tr:sawa-aiueo-t1000+8000 (5/5) #te:eguti.aiueo-t5000+8000 are recognized as tr:sawa-aiueo-t1000+8000 (5/5) #te:eguti.aiueo-t7000+8000 are recognized as tr:sawa-uiueo-t1000+8000 (4/5) #te:eguti-aiueo-t7000+8000 are recognized as tr:sawa-uiueo-t1000+8000 (4/5) (5/2) (2/2) are recognized as tr:eguti-aiueo-t100048000 #te:sawa-aiueo-t5000-8000 #te:sawa-aiueo-t5000-8000 #te:sawa-aiueo-t7000-8000 #te:sawa-aiueo-t7000-8000 #te:sawa-aiueo-t8000-8000 #te:sawa-aiueo-t8000 #te:sawa-t8000 #te:sawa-t800 #te:sawa-t800 #te:sawa-t800 #te:sawa-t800 #t #te:sawa-aiueo-t2000+8000 #te:sawa-aiueo-t3000+8000 #te:sawa-aiueo-t4000+8000 &&rj<=1.0 18050 #t 18053 18054 18055 18055 18057 18059 18060 18061 18062 18064 18065 18065 18065 18069 18070 18071 18072 18073 18074 18076 18077 18070 18070 18052 18051

#te:sawa-aiueo-t1000+8000 are recognized as tr:eguti-aiaeo-t1000+8000 (4/5) via m:poles4N32-32.#rj>0) via mipoles4N32-32.#
via mipoles4N32-32.# 18083 #te:egut._aiueo-t1000+8000 are recognized as tr:eguti-aiaeo-t1000+8000 (4/5) via m 18083 #te:sawa-aiueo-t1000+8000 are recognized as tr:eguti-aiaeo-t1000+8000 (4/5) via m 18084 #te:sawa-aiueo-t2000+8000 are recognized as tr:eguti-aiaeo-t1000+8000 (4/5) via m 18085 #te:sawa-aiueo-t2000+8000 are recognized as tr:eguti-aiaeo-t1000+8000 (4/5) via m 18085 #te:sawa-aiueo-t5000+8000 are recognized as tr:eguti-aiaeo-t1000+8000 (4/5) via m 18089 #te:sawa-aiueo-t5000+8000 are recognized as tr:eguti-aiaeo-t1000+8000 (4/5) via m 18089 #te:sawa-aiueo-t5000+8000 are recognized as tr:eguti-aiaeo-t1000+8000 (4/5) via m 18099 #te:sawa-aiueo-t2000+8000 are recognized as tr:eguti-aiaeo-t1000+8000 (4/5) via m 18092 #te:sawa-aiueo-t2000+8000 are recognized as tr:sawa-aiueo-t1000+8000 (5/5) via m 18092 #te:eguti-aiueo-t2000+8000 are recognized as tr:sawa-aiueo-t1000+8000 (5/5) via m 18093 #te:eguti-aiueo-t2000+8000 are recognized as tr:sawa-aiueo-t1000+8000 (5/5) via m 18094 #te:eguti-aiueo-t4000+8000 are recognized as tr:sawa-aiueo-t1000+8000 (5/5) via m 18094 #te:eguti-aiueo-t5000+8000 are recognized as tr:sawa-aiueo-t1000+8000 (5/5) via m 18094 #te:eguti-aiueo-t5000+8000 are recognized as tr:sawa-aiueo-t1000+8000 (5/5) via m 18094 #te:eguti-aiueo-t5000+8000 are recognized as tr:sawa-aiueo-t1000+8000 (5/5) via m 18094 #te:eguti-aiueo-t5000+8000 are recognized as tr:sawa-aiueo-t1000+8000 (5/5) via m 18094 #te:eguti-aiueo-t5000+8000 are recognized as tr:sawa-aiueo-t1000+8000 (5/5) via m 18094 #te:eguti-aiueo-t5000+8000 are recognized as tr:sawa-aiueo-t1000+8000 (5/5) via m 18094 #te:eguti-aiueo-t5000+8000 are recognized as tr:sawa-aiueo-t1000+8000 (5/5) via m 18094 #te:eguti-aiueo-t8000+8000 are recognized as tr:sawa-aiueo-t1000+8000 (5/5) via m 18094 #te:eguti-aiueo-t8000+8000 are recognized as tr:sawa-aiueo-t1000+8000 (5/5) via m 18094 #te:eguti-aiueo-t8000+8000 are recognized as tr:sawa-aiueo-t8000+8000 (5/5) via m 18094 #te:eguti-aiueo-t8000 are recognized as tr:sawa-aiueo-t8000+8000 (5/5) via m 18094 #te:eguti-aiueo-t8000 18092 18093 18094 18095 18096 18097 18098 18100

18081

18101 for testname in sawa egiti; do
18102 if ['\${testname}" = "sawa"]; then trainname=eguti;elif ['\${testname}" = "eguti"]; then trainname=eguti;elif ['\${testname}" = "eguti"]; then trainname=eguti;elif ['\${testname}" = "eguti"];

8103 for t2 in 1000 2000 3000 4000 5000 6000 7000 8000 ; do 8104 echo "vowelrecog te:\${testname} tr:\${trainname} k:9 N:\${NI}-\${NZ} m:\${method} T:\${T} tt:\${t0}:\${t1} {t2}:\${t3}:\$ 18103

18105 #echo n | vowelrecog te:\${testname} tr:\${trainname} k:9 N:\${N1}-\${N2} m:\${method} T:\${T} tt:\${t0}:\${t1} t1]:\${t2}:\${t2}:\${t3}>{dev/null} 18106 echo n | vowelrecog te:dy-\${testname} tr:dy-\${trainname} k:9 N:\${N1}-\${N2} m:\${method} T:\${T} tt:\${t0}:\${t1} 18107 done

680			-			L	
191	te:sawa-aiueo-ti000+4000 te:sawa-aiueo-t2000+4000 te:sawa-aiueo-t3000+4000	are	recognized as recognized as recognized as		r:egutı-aıueo-tı000+400 r:eguti-aiueo-t1000+400 r:eguti-aiueo-t1000+400	(5/5)	via m:directNl-1.# via m:directNl-1.# via m:directNl-1.#
193	i-aiueo-t2000+4000 i-aiueo-t2000+4000 i-aiueo-t3000+4000	are	recognized recognized recognized	to to to	-uiueo- -uiueo-	(4/5) (4/5) (4/5)	
196	000 + 1000 + 1000 + 1000	9	, coo	Ω †	000+1000+1000	(4/5)	m:m eiv
krj<	.Ori>0.1&&ri<=1	υ	a partitions		יפעמרו - מושפט - רווססס	(0/1)	acutantod.m
200	e:sawa-aiueo-t2000+1000 e:sawa-aiueo-t3000+1000	are	recognized as recognized as	as tr	r:eguti-aiooo-t1000+4000 r:eguti-aiaoo-t1000+4000	(3/5)	via m:poles4N32-32.# via m:poles4N32-32.#
101.	#te:sawa-aiueo-t1000+4000	are 1	recognized as	s tr	r:eguti-aiueo-t1000+1000	(2/2)	via m:poles4N32-32.#rj>0
'nω.	1.0 #te:sawa-aiueo-t2000+4000	are 1	recognized as	s tr	:eguti-aiueo-t1000+1000	(5/2)	via m:poles4N32-32.#rj>0
Ŭ4.	1.0 #te:sawa-aiueo-t3000+4000	are 1	recognized as	s C	r:eguti-aiueo-t1000+1000	(5/2)	via m:poles4N32-32.#rj>0
ν ₁	1.0 #te:sawa-aiueo-t1000+4000	are 1	recognized as	s tr	:eguti-aiooo-t2000+1000	(3/2)	via m:poles4N32-32.#rj>0
v v	1.0 #te:sawa-aiueo-t2000+4000	are 1	recognized as	s	:eguti-aiuoo-t2000+1000	(4/5)	via m:poles4N32-32.#rj>0
<u> </u>	1.0 #te:sawa-aiueo-t3000+4000	are 1	recognized as	s tr	:eguti-aiaeo-t2000+1000	(4/5)	via m:poles4N32-32.#rj>0
Ÿ i	1.0 #te:sawa-aiueo-t1000+4000	are 1	recognized as	s tr	:eguti-aiieo-t3000+1000	(4/5)	via m:poles4N32-32.#rj>0
י סי	#te:sawa-aiueo-t2000+4000	are	recognized as	s tr	r:eguti-aiueo-t 3000 + 1000	(5/2)	via m:poles4N32-32.#rj>0
210	1.0 #te:sawa-aiueo-t3000+4000	are 1	recognized as	s	r:eguti-aiueo-t3000+1000	(2/2)	via m:poles4N32-32.#rj>0
ò⊣"	1.0 #te:sawa-aiueo-t1000+4000	are 1	recognized as	s t	r:eguti-oioeo-t4000+1000	(3/2)	via m:poles4N32-32.#rj>0
· 01 ·	1.0 #te:sawa-aiueo-t2000+4000	are 1	recognized as	s tr	:eguti-aioeo-t4000+1000	(4/5)	via m:poles4N32-32.#rj>0
213	1.0 #te:sawa-aiueo-t3000+4000	are 1	recognized as	s tr	:eguti-oioeo-t4000+1000	(3/2)	via m:poles4N32-32.#rj>0
ĻФ.	1.0 #te:sawa-aiueo-t1000+4000	are 1	recognized as	s tr	:eguti-aiaeo-t5000+1000	(4/5)	via m:poles4N32-32.#rj>0
v '	1.0 #te:sawa-aiueo-t2000+4000	are	recognized as	s tr	r:eguti-aiaeo-t5000+1000	(4/5)	via m:poles4N32-32.#rj>0
216	.0 te:sawa-aiueo-t3000+4000	are 1	recognized as	s tr	r:eguti-aiaeo-t5000+1000	(4/5)	via m:poles4N32-32.#rj>0
/	#te:sawa-aiueo-t1000+4000	Φ	recognized as	s tr	:eguti-aiaeo-t6000+100	(4/5)	a m:poles4N32-32.
218	e:sawa-aiueo-t2000+4000 e:sawa-aiueo-t3000+4000		ecognized		eguti-aiaeo:eguti-aiaeo	(4/5)	a m:poles4N32-32 a m:poles4N32-32
220	te:sawa-aiueo-t1000+4000 te:sawa-aiueo-t2000+4000	are	recognized as recognized as	s tr s tr	:eguti-aiaeo-t7000+100 :eguti-aiieo-t7000+100	(4/5)	Les4N32-32.
222	te:sawa-aiueo-t3000+4000		zed		:eguti-aiieo-t7000+100	(4/5)	a m:poles4N32-32.
224	te:sawa-aiueo-t2000+4000 te:sawa-aiueo-t3000+4000		ecognized		:eguti-aiueo-t8000+100	(5/5)	m:poles4N32-32.
226	Fe:sawa-ajueo-t1000+5000				:equti-aiaeo-t8000+100	_	m:poles4N32-32
228	iueo-t2000+5000	0 0	000	s tr	:eguti-aaaoo-	(5/5)	m:poles4N32
231	e:sawa-aiueo-t1000+4000	are 1	recognized as	s tr	:eguti-aeuoo-t3000+1000	(3/2)	via m:poles4N32-32.#rj>0
v 1	ori>0.1xxri<=1 e:sawa-aiueo-t2000+4000 ori>0 166xi/-1	are 1	recognized as	s tr	:eguti-aeuoo-t3000+1000	(3/2)	via m:poles4N32-32.#rj>0
/ m :	#te:sawa-aiueo-t3000+4000	are 1	recognized as	s T	r:eguti-aeioo-t3000+1000	(2/5)	via m:poles4N32-32.#rj>0
234	1.01170.1xx11<-1 #te:sawa-aiueo-t1000+4000 1.0ri>0.1&&ri<=1	are 1	recognized as	s tr	:eguti-aiooo-t2000+1000	(3/2)	via m:poles4N32-32.#rj>0
, v	#te:sawa-aiueo-t2000+4000 Ori>0 1&&ri<=1	are 1	recognized as	s	:eguti-aiooo-t2000+1000	(3/2)	via m:poles4N32-32.#rj>0
v .	#te:sawa-aiueo-t3000+4000 1.0ri>0.1&&ri<=1	are 1	recognized as	s tr	:eguti-aiooo-t2000+1000	(3/5)	via m:poles4N32-32.#rj>0
	te:sawa-aiueo-t1000+4000	are 1	recognized as	s C	r:eguti-aiueo-t1000+1000	(2/2)	via m:poles4N32-32.#rj>1
239	c.35 also <0.5 ce:sawa-aiueo-t2000+4000	are 1	recognized as	str	r:eguti-aiueo-t1000+1000	(2/2)	via m:poles4N32-32.#rj>1
40	#te:sawa-aiueo-t3000+4000	are 1	recognized as	Ω τ	r:eguti-aiueo-t1000+1000	(2/2)	via m:poles4N32-32.#rj>1
241 7	, # c	are	recognized	as	tr:sawa-aiueo-t1000+1000	(5/2)	via m:poles4N32-32.#rj>1
	te:eguti-aiu 0.35 also <0	are	recognized	ass	tr:sawa-aiueo-t1000+1000	(2/2)	via m:poles4N32-32.#rj>1

```
.u || rj<0.35
18297
                                                                                                                                                                                                                                         rj<0.35
                                                                                                                                                   rj<0.35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             || rj<0.35
18301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   rj<0.5);
18327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  rj<0.5);
18326 #t
                                                                                                                                                                                                                             .0 || r
18296
                                                                                                                                                   0 || r]
18295
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    18304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          18314
18315
18316
18317
18318
18320
18321
18322
18323
18323
18323
18324
18325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   18328
18329
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               18332
18333
18334
18335
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       18303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18338
18339
18340
18342
18342
18344
18344
18346
18346
18356
18359
18357
18355
18355
18355
18355
18355
18355
18355
18355
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 18309
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  18313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    18330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      18336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   18337
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     18267 #te:sawa-aiueo-t1000+3000 are recognized as tr:eguti-aiueo-t1000+1000 (5/5) via m:poles4N32-32.#rj>1.0 | rj<0.35 awa-aiueo-t2000+3000 are recognized as tr:eguti-aiueo-t1000+1000 (5/5) via m:poles4N32-32.#rj>1.0 | rj<0.35 awa-aiueo-t2000+3000 are recognized as tr:eguti-aiueo-t1000+1000 (4/5) via m:poles4N32-32.#rj>1.0 | R269 #te:sawa-aiueo-t3000+3000 are recognized as tr:eguti-aiueo-t1000+1000 (4/5) via m:poles4N32-32.#rj>1.0 | R269 #te:sawa-aiueo-t3000+3000 are recognized as tr:eguti-aiueo-t3000+1000 (4/5) via m:poles4N32-32.#rj>1.0 | R269 #te:sawa-aiueo-t3000+3000 are recognized as tr:eguti-aiueo-t3000+1000 (4/5) via m:poles4N32-32.#rj>1.0 | R269 #te:sawa-aiueo-t3000+3000 are recognized as tr:eguti-aiueo-t3000+1000 (4/5) via m:poles4N32-32.#rj>1.0 | R269 #te:sawa-aiueo-t3000+3000 are recognized as tr:eguti-aiueo-t3000+1000 (4/5) via m:poles4N32-32.#rj>1.0 | R269 #te:sawa-aiueo-t3000+3000 are recognized as tr:eguti-aiueo-t3000+1000 (4/5) via m:poles4N32-32.#rj>1.0 | R269 #te:sawa-aiueo-t3000+3000 are recognized as tr:eguti-aiueo-t3000+1000 (4/5) via m:poles4N32-32.#rj>1.0 | R269 #te:sawa-aiueo-t3000+3000 are recognized as tr:eguti-aiueo-t3000+1000 (4/5) via m:poles4N32-32.#rj>1.0 | R269 #te:sawa-aiueo-t3000+3000 are recognized as tr:eguti-aiueo-t3000+3000 (4/5) via m:poles4N32-32.#rj>1.0 | R260 #te:sawa-aiueo-t3000+3000 are recognized as tr:eguti-aiueo-t3000+3000 (4/5) via m:poles4N32-32.#rj>1.0 | R260 #te:sawa-aiueo-t3000+3000 are recognized as tr:eguti-aiueo-t3000+3000 are recognized as tr:eguti-aiueo-t3000+3000 are recognized as tr:eguti-aiueo-t3000+3000 are recognized as tr:eguti-aiueo-t3000 (4/5) via m:poles4N32-32.#rj>1.0 | R260 #te:sawa-aiueo-t3000+3000 are recognized as tr:eguti-aiueo-t3000+3000 are recognized as tr:eguti-aiueo-t3000 are recognized as tr:eguti-aiueo-t3000 are recognized as tr:eguti-aiueo-t3000+3000 are recognized as tr:eguti-aiueo-t3000 are recognized as tr:eguti-aiueo-t3000 are recognized as tr:eguti-aiueo-t3000 are recognized as tr:eguti-aiueo-t3000 are recognized as tr:eguti-ai
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 | | rje0.35 | | 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    18275 #te:eguti-aiueo-t1000+1600 are recognized as tr:sawa-aiueo-t1000+1600 (5/5) via m:poles4N32-32.#rj>1.0 | rj<0.50 | rj<0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     18285 #te:sawa-aiueo-t1000+1000 are recognized as tr:eguti-aiueo-t1000+1000 (5/5) via m:poles4N32-32.#rj>1
0 || rj<0.35
18286 #te:sawa-aiueo-t2000+1000 are recognized as tr:eguti-aiueo-t1000+1000 (5/5) via m:poles4N32-32.#rj>1
                                                                                                                                                                                                 #te:sawa-aiueo-t2000+4000 are recognized as tr:eguti-aeueo-t1000+4000 (4/5) via m:poles4N32-32.#rj>0
                                                                                                                                                                                                                                                                                            via m:poles4N32-32.#rj>0
                                                                                                                                                                                                                                                                                                                                                                                            #te:eguti-aiueo-t1000+4000 are recognized as tr:sawa-aiueo-t1000+4000 (5/5) via m:poles4N32-32.#rj>0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #te:equti-aiueo-t2000+4000 are recognized as tr:sawa-aiueo-t1000+4000 (5/5) via m:poles4N32-32.#rj>0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #te:eguti-aiueo-t3000+4000 are recognized as tr:sawa-aiueo-t1000+4000 (5/5) via m:poles4N32-32.#rj>0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #te:eguti-aiueo-t1000+1000 are recognized as tr:sawa-aiueo-t1000+1000 (5/5) via m:poles4N32-32.#rj>1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            via m:poles4N32-32.#rj>1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      via m:poles4N32-32.#rj>1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #te:sawa-aiueo-t3000+1000 are recognized as tr:eguti-aiueo-t1000+1000 (5/5) via m:poles4N32-32.#rj>1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 via m:poles4N40-40.#
via m:poles4N40-40.#
via m:poles4N40-40.#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #te:eguti-alueo-t1000+1000 are recognized as tr:sawa-aloeo-t1000+1000 (4/5) #te:eguti-alueo-t2000+1000 are recognized as tr:sawa-alueo-t1000+1000 (5/5) #te:eguti-alueo-t3000+1000 are recognized as tr:sawa-alueo-t1000+1000 (5/5)
                                                                                                                                                                                                                                                                                      #te:sawa-aiueo-t3000+4000 are recognized as tr:eguti-aeaeo-t1000+4000 (3/5)
                                                                                                tr:eguti-oeuoo-t1000+4000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #te:sawa-aiueo-t1000+4000 are recognized as tr:eguti-aiaoo-t1000+4000
                                                                                                      as
                                                                                                      recognized
                                                                                                      #te:sawa-aiueo-t1000+4000
                                                                                                                                                                                                                                         5&&rj<=1.0ri>0.5&&ri<=1
                                                                                                                                                                                                                                                                                                                                               5&&rj<=1.0ri>0.5&&ri<=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5&&rj<=1.0ri>0.5&&ri<=1
18250 #te:eguti-aiueo-t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5&&rj<=1.0ri>0.5&&ri<=1
                                                                                                                                                   5&&rj<=1.0ri>0.5&&ri<=1
                                                                                                                                                                                                                                                                                                                                                                                                                                          5&&rj<=1.0ri>0.5&&ri<=1
18249 #te:eguti-aiueo-
rj<0.35 also
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0 || rj<0.35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     18282
                                                                                                                                                                                                                                                                                      18247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   18287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         18266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            18265
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  18274
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  18261
```

```
#te:sawa-aiueo-t3000+1500 are recognized as tr:eguti-aiueo-t1000+1500 (5/5) via m:poles4N1-1.#rj>1.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                18358 for testname in sava eguti; do
18359 if [ "${testname}" = "sawa" ]; then trainname=eguti;ellf [ "${testname}" = "eguti" ]; then trainn
ame=sawa ;fi
18360 echo"vowelrecog te:${testname} tr:${trainname} k:9 N:${N1}-${N2} m:${mcthod} T:${T} tr:${t0}:${t1}
:${t2}:${t3}:"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #te:sawa-aiueo-t1000+1500 are recognized as tr:eguti-aiuee-t1000+1500 (4/5) via m:poles4N1-1.#rj>1.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    are recognized as tr:eguti-aiueo-t1000+1500 (5/5) via m:poles4N1-1.#rj>1.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   export T=100 N1=1 method=poles4 t0=1000 t1=1500 t2=1000 t3=1500; export N2=${N1} # in the content of the conten
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   :${t2}:${t3}"

18307 echo n | vowelrecog te:${testname} tr:${trainname} k:9 N:${NI}-${N2} m:${method} T:${T} tt:${t0}:${1}:${1}3308 done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #te:eguti-aiueo-t1000+1500 are recognized as tr:sawa-aiueo-t1000+1500 via m:poles4N1-1.#OKif(rj>1 |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #te:sawa-aiueo-t1000+1500 are recognized as tr:eguti-eiuee-t1000+1500 via m:poles4N1-1.#NG3if(rj>1
                                                                                                                                                                                                                                #te:sawa-aiueo-t2000+1600 are recognized as tr:eguti-aiaeo-t1000+1600 (4/5) via m:poles4N32-32.#rj>1
                                                                                                                                                                                                                                                                                                                                                                                                                                        #te:sawa-aiueo-t3000+1600 are recognized as tr:eguti-aiaeo-t1000+1600 (4/5) via m:poles4N32-32.#rj>1
via m:poles4N32-32.#rj>1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               tr:${trainname} k:9 N:${N1}-${N2} m:${method} T:${T} tt:${t0}:${t1}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 m:poles4N32-32.#OK
m:poles4N32-32.#OK
m:poles4N32-32.#OK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #te:eguti-aiueo-t1000+1000 are recognized as tr:sawa-aiueo-t1000+1000 via m:poles4N32-32.#0X
#te:eguti-aiueo-t2000+1000 are recognized as tr:sawa-aiueo-t1000+1000 via m:poles4N32-32.#0X
#te:eguti-aiueo-t3000+1000 are recognized as tr:sawa-aauuo-t1000+1000 via m:poles4N32-32.#0X
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #te:eguti-aiueo-t1000+1500 are recognized as tr:sawa-aiueo-t1000+1500 via m:poles4N32-32.#OX #te:eguti-aiueo-t2000+1500 are recognized as tr:sawa-aiueo-t1000+1500 via m:poles4N32-32.#OX #te:eguti-aiueo-t2000+1500 are recognized as tr:sawa-aiueo-t1000+1500 via m:poles4N32-32.#OX #te:eguti-aiueo-t3000+1500 are recognized as tr:sawa-aiueo-t1000+1500 via m:poles4N32-32.#OX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #te:eguti-aiueo-t1000-1500 are recognized as tr:sawa-uiueo-t1000-1500 via m:poles4N1-1.#NG4 #te:eguti-aiueo-t2000+1500 are recognized as tr:sawa-aiueo-t1000+1500 via m:poles4N1-1.#NG3 #te:eguti-aiueo-t2000+1500 are recognized as tr:sawa-aiueo-t1000+1500 via m:poles4N1-1.#NG3 #te:eguti-aiueo-23000+1500 are recognized as tw:sawa-aiueo-t1000+1500 via m:poles4N1-1.#NG3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #te:sawa-aiueo-t1000+1500 are recognized as tr:eguti-aiuee-t1000+1500 via m:poles4N1-1.#0X #te:sawa-aiueo-t2000+1500 via m:poles4N1-1.#0X #te:sawa-aiueo-t2000+1500 via m:poles4N1-1.#0X #te:sawa-aiueo-t3000+1500 via m:poles4N1-1.#0X #te:sawa-aiueo-t3000+1500 via m:poles4N1-1.#0X
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     N2=${N1} #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     N2=${N1} #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    export T=100 N1=32 method=poles4 t0=1000 t1=1000 t2=1000 t3=1000; export N2=${N1} terssawa=atueo is recognized as tr:eguti-atueo via method=poles4.#0K tersequized as tr:sawa-atueo via method=poles4.#0K export T=100 N1=32 method=poles4 t0=1000 t1=1000 t2=2000 t3=1000; export N2=${N1} terseawa=atueo is recognized as tr:sawa-atueo via method=poles4.#0K4 terseawa=atueo is recognized as tr:sguti-atueo via method=poles4.#0K4 tersequized as tr:sawa-atuea via method=poles4.#0K4 export T=100 N1=32 method=poles4 t0=1000 t1=1000 t2=3000 t3=1000; export N2=${N1}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             N2=${N1}
                        as tr:eguti-aiaoo-t1000+1600 (3/5)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #te:sawa-aiueo-t1000+1000 are recognized as tr:eguti-aiueo-t1000+1000 via #te:sawa-aiueo-c2000+1000 are recognized as tr:eguti-aiueo-t1000+1000 via #te:sawa-aiueo-c3000+1000 are recognized as tr:eguti-aiueo-t1000+1000 via #te:sawa-aiueo-c3000-11000 are recognized as tr:eguti-aiueo-t1000+1000 via
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           export T=100 NI=22 method=pole4 to=1000 ti=1000 tz=3000 t=3=1000; export N #te:sawa-auto via method=pole4 #te:equti-aiteo via method=pole4 #te:equti-aiteo via method=pole4 #to:export N #te:equti-aiteo is recognized as tr:sawa-auto via method=pole4 #to:export T=100 NI=1 method=pole4 to=1000 t=1000 t=1000 t=3=1000; export N2 #te:sawa-auto via method=pole4 #to:export N2 #te:equti-aiteo is recognized as tr:sawa-auto via method=pole4 #to:export N2 #te:equti-aiteo is recognized as tr:sawa-auto via method=pole4 #to:export N2 #te:equti-aiteo is recognized as tr:sawa-auto via method=pole4 #to:export N2 #te:equti-aiteo is recognized as tr:sawa-auto via method=pole64 #to:export N2 #te:equti-aiteo is recognized as tr:sawa-auto via method=pole64 #to:export N2 #te:equti-aiteo via method=pole64 #to:export N2 #te:equti-aiteo is recognized as tr:sawa-auto via method=pole64 #to:export N2 #te:export n2 #to:export n2 #to:export n2 #to:export n3 #to:export n3 #to:export n2 #to:export n3 #
                        are recognized
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               echo "vowelrecog te:${testname}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ame=sawa ;fi
18305 for t2 in 1000 2000 3000 ; do
18306 echo "vowelrecog te:${testname
```

```
#for testname in eguti; do
for testname in sawa eguti; do
if [ "${testname}" = "sawa" ]; then trainname=eguti;elif [ "${testname}" = "eguti" ]; then trainn
                                                                                                                                                                                                                                                                                                                                                                                                                                                             18373 echo "vowelrecog te:${testname} tr:${trainname} k:9 N:${N1}-${N2} m:${method} T:${T} tt:${t0}:${t1}:${t1}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          i8374 'c.c.) | vowelrecog te:8{testname} tr:${trainname} k:9 N:${N1}-${N2} m:${method} T:${T} tt:${t0}:${t1}:${t2}:${t3}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       for testname in sawa eguti; do
if [ "${testname}" = "sawa" ] ; then trainname=eguti ;elif [ "${testname}" = "eguti" ] ; then trainn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             18408 echo n | vowelrecog te:\{\text{testname}\} tr:\{\text{trainname}\} k:9 N:\{\text{NI}\}-\{\{\text{NZ}\}\} m:\{\text{method}\} T:\{\text{T}\} tt:\{\{\text{t0}\}:\{\{\text{t2}\}:\{\{\text{t3}\}\}\}
18361 echo n | vowelrecog te:${testname} tr:${trainname} k:9 N:${N1}-${N2} m:${method} T:${T} tt:${t0}:${t1}:${t2}:${t2}:${L2}:${L3}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "vowelrecog te:\$\{\text{testname}\} tr:\$\{\text{trainname}\} k:9 N:\$\{\text{N1}\}-\$\{\text{N2}\} m:\$\{\text{method}\} T:\$\{\text{T}\} tt:\$\{\text{t0}\}:\$\{\text{t1}\}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #te:sawa-aiueo is recognized as tr:eguti-uiueo via method=M4.#NG4
#te:eguti-aiueo is recognized as tr:sawa-aeueu via method=M4.#NG3
export T=100 N1=32 method=poles4 t0=1000 t1=1500; export t2=${t0} t3=${t1} N2=${k1} #te:sawa-aiueo is recognized as tr:eguti-auuoo via method=poles4.#NG3
#te:eguti-aiueo is recognized as tr:sawa-aiueo via method=poles4.#NG3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     export T=100 N1=32 method=poles4 t0=1000 t1=2000; export t2=${t0} t3=${t1} N2=${N1} #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        t3=${t1} N2=${N1} #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           t3=${t1} N2=${N1} #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     export T=100 N1=32 method=poles4 t0=1000 t1=1000 t2=1000 t3=2000; export N2=${N1} #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #te:eguti-aiueo is recognized as tr:sawa-auueo via method=poles4.#NG4
export T-100 NI=1 method=poles4 to=100 t=1000 t=3000 t=32000 export N2=${NI} #
#te:sawa-aiueo is recognized as tr:eguti-aiuee via method=poles4.#NG4
#te:sguti-aiueo is recognized as tr:sawa-uiuea via method=poles4.#NG3
export T=100 NI=1 method=direct to=1000 t=1000 t=2000 t=32000; export N2=${NI} #
#te:sawa-aiueo is recognized as tr:eguti-aiueo via method=direct.#NG3
                                                                                                                                                               export T=100 Nl=1 method=poles4 t0=1000 t1=1000 t2=1000 t3=2000; export N2=${Nl} # tersawa-aiuce is recognized as tr:eguti-aiuce via method=poles4.# # terseguti-aiuce is recognized as tr:sawa-uiuce via method=poles4.# terseguti-aiuce is recognized as tr:sawa-uiuce via method=poles4.# to export T=100 Nl=1 method=poles4 t0=1000 t1=1000 t1=1000 t2=3000 t3=2000; export N2=${Nl} #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            export T=100 N1=1 method=poles4 t0=1000 t1=1000 t2=3000 t3=2000; export N2=${N1}} #te:sawa-aiueo is recognized as tr:squti-aiueo via method=poles4.#0K #te:eguti-aiueo is recognized as tr:sawa-uiuea via method=poles4.#0K
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       export T=100 N1=1 method=poles4 t0=1000 t1=1500; export t2=${t0} t3=${t1} N2=${N1} #te:aswa-aiueo is recognized as tr:eguti-aiuee via method=poles4.#NG4 #te:eguti-aiueo is recognized as tr:sawa-uiueo via method=poles4.#NG4 export t2=${t0} N1=1 method=wit t0=1000 t1=1500; export t2=${t0} t3=${t1} N2=${N1} #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #te:eguti-aiueo is recognized as tr:sawa-uiueo via method-direct.#NG4 export T=100 NI=1 method-direct t0=1000 t1=1000 t2=3000 t3=2000; export N2=${NI} #te:sawa-aiueo is recognized as tr:eguti-aiueo via method-direct.#OK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #re:gquri-aiuco is recognized as tr:sawa-uiuco via method=direct.#NG4
export T=100 N1=1 method=direct to C=1000 t1=1000 t2=2000 t3=2000; export N2=${N1}
#te:sawa-aiuco is recognized as tr:eguti-aiuco via method=direct.#0K
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 t3=${t1} N2=${N1} #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #te:eguti-aiueo is recognized as tr:sawa-uiueo via method-direct.#NG4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               export T=100 N1=1 method=direct t0=1000 t1=1500; export t2=${t0} t3=$;
#te:sawa-aiueo is recognized as tr:eguti-aiueo via method=direct.#OK5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #te:eguti-aiueo is recognized as tr:sawa-uiueo via method=direct.#NG4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #te:sawa-aiueo is recognized as tr:eguti-aiueo via method=direct.#0K5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #te:sawa-aiueo is recognized as tr:eguti-aiueo via method=poles4.#OK
                                                                                                                                                                                                                                                                                             #te:sawa-aiueo is recognized as tr:eguti-aiueo via method-poles4.#
#te:eguti-aiueo is recognized as tr:sawa-aiueo via method-poles4.#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 export T=100 N1=1 method=M4 t0=1000 t1=1000; export t2=${t0}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #for testname in eguti ; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        060112am
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               18407 echo "r
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ame=sawa ;fi
                                                                                                                                                                                                                                                                                                                                                                                                                              18372
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         18382
18383
18384
18386
18388
18389
18390
18391
18392
18393
18394
18394
18394
18394
18394
18394
18394
18394
18394
18394
18394
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               18417
18418
18419
18420
18421
18421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          18425
18426
18426
18427
                                                                                                                                                                                                                                                                                                    18368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        18400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  18401
18402
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    18409
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               18378
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            18380
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         18404
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       18405
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      18406
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    18414
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      18415
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     18416
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             18423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                18424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               18429
                                                                                                                                                                                                                                                                                                                                   18369
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                18375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18381
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       18403
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     18413
```

Dec 05 2019 13:52:41 readmecan2mspeech.txt

#te:eguti_aiueo is recognized as tr:sawa-aiueo via method=poles4.#OK
#te:sawa-aiueo is recognized as tr:eguti-aeoeo via method=poles4.#NG3
#for testname in eguti ; do
for testname in sawa ; do
if ["\${testname}" = "sawa"] ; then trainname=eguti ;elif ["\${testname}" = "eguti"] ; then trainn 18445 echo n | vowelrecog te:\${testname} tr:\${trainname} k:9 N:\${NI}-\${NZ} m:\${method} T:\${T} tt:\${t0}:\${t1}:\${t2}:\${t2}:\${t2}:\${t3} 18489 #te:sawa-aiueo is recognized as tr:eguti-aeueo via method=poles4.#
18490 #te:eguti-aiueo is recognized as tr:sawa-aiueo via method=poles4.#
18491 #te:eguti-aiueo is recognized as tr:sawa-aiueo via method=poles4.#
18492 #te:sawa-aiueo is recognized as tr:sawa-aiueo via method=poles4.#
18492 #te:sawa-aiueo is recognized as tr:sawa-aiueo via method=poles4 to=1000 tl=1000? export t2=\${t0} t3=\${t1} N2=\${N1} #(_t4_14_14_14_2 #te:sawa-aiueo is recognized as tr:sawa-aiueo as tr: "vowelrecog te:\${testname} tr:\${trainname} k:9 N:\${N1}-\${N2} m:\${method} T:\${T} tt:\${t0}:\${t1} #te:sawa-alueo is recognized as tr:eguti-ulueo via method-poles4.#NG
#te:sawa-lalueo is recognized as tr:eguti-ulueo via method-poles4.#NG
#te:squti-alueo is recognized as tr:sawa-olueo via method-poles4.#NG
#te:squti-alueo is recognized as tr:sawa-olueo via method-clirect.#NG
#te:sawa-alueo is recognized as tr:sawa-olueo sia method-clirect.#NG
#te:sawa-alueo is recognized as tr:sawa-olueo sia method-clirect.#NG The sawa-alueo is recognized as trieguti-alueo via method=poles4.#rz2>1.0 || rz2<0.2 rm -rf tmp;export T=100 Nl=1 method=poles4 tD=1000 t1=1000; export t2=\${t0}\$ t3=\${t1}\$ N2=\${N1}\$ #te:sawa-alueo is recognized as trieguti-aluee via method=poles4.#NG #te:equti-alueo is recognized as trieguti-alueo via method=poles4.#NG rm -rf tmp;export T=100 Nl=1 method=direct tD=1000 t1=1000; export t2=\${t0}\$ t3=\${t1}\$ N2=\${N1}\$ #te:sawa-alueo via method=direct.#NG #te:equti-alueo is recognized as trieguti-alueo via method=direct.#NG #te:equti-alueo is recognized as triesqui-alueo via method=direct.#NG rm -rf tmp;export T=100 Nl=1 method=poles4 tD=2000 t1=1000; export t2=\${t0}\$ t3=\${t1}\$ N2=\${N1}\$ #te:equti-alueo is recognized as triesqui-alueo via method=direct.#NG rm -rf tmp;export T=100 Nl=1 method=poles4 tD=2000 t1=1000; export t2=\${t0}\$ t3=\${t1}\$ N2=\${N1}\$ #taxe-recognized as triesqui-alueo via method=direct.#NG rm -rf tmp;export T=100 Nl=1 method=poles4 tD=2000 t1=1000; export t2=\${t0}\$ t3=\${t1}\$ N2=\${t1}\$ mathod=poles4 tD=2000 t1=1000; export t2=\${t0}\$ t3=\${t1}\$ N2=\${t1}\$ mathod=poles4 tD=2000 t1=1000; export t2=\${t0}\$ t3=\${t1}\$ N2=\${t1}\$ N2=\${t1}\$ mathod=poles4 tD=2000 t1=1000; export t2=\${t0}\$ t3=\${t1}\$ N2=\${t1}\$ #te:sawa-aiueo is recognized as tr:eguti-uiueo via methodoM4.#NG4 ##e:eguti-aiueo is recognized as tr:sawa-aeuu via method=M4.#NG0 vowelrecog te:eguti tr:sawa k:9 N:32-32 m:poles4 Til00 te:1000:3000:1000:3000 #################### ame=sawa ;fi 18444 echo 18443 18441 18442 18496 18497 18497 18499 18500 18501 18503 18504 18506 18506 18446 18448 18450 18493 18494 18495

#te:sawa-alueo is recognized as tr:eguti-auwoo via method=poles4 #NG
#te:sawa-alueo is recognized as tr:sawa-aluio via method=poles4 #NG
#te:sawa-alueo is recognized as tr:sawa-aluio via method=poles4 #NG
#te:sawa-alueo is recognized as tr:squti-aluio via method=direct.#NG
#te:squti-alueo is recognized as tr:sawa-ulueo via method=direct.#NG
#te:squti-alueo is recognized as tr:sawa-ulueo via method=direct.#NG
#te:squti-alueo is recognized as tr:squti-ulueo via method=direct.#NG
#te:sawa-alueo is recognized as tr:eguti-ulueo via method=direct.#NG
#te:sawa-alueo is recognized as tr:eguti-ulueo via method=M4.#NG

18508 18509 18510 18511 18512

Dec 05 2019 13:52:41

Page 285

```
for testvowel in a i u e o ; do echo "norm of poles between \{\{testrowel\}\} of \{\{testrowel\}\} and aiueo of \{\{trainname\}\} for vowel in a i u e o ; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             echo "##### test:${testname} and train:${trainname} ####"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           if [ "${testname}" = "sawa" ]; then trainname=eguti;
elif [ "${testname}" = "eguti" ]; then trainname=sawa;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     for testname in sawa eguti ; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           export feature=poles5
export feature=poles6
export feature=poles4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   export N2=${N1}
                                                                                                                                                                                           #######
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           N=1:aiueo(OK)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        rm -rf tmp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ########
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #########
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       o(OK) N=1:uiueo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ??done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    060109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ame=sawa ;fi
                                                                    18586
18587
18588
18589
18590
18591
18592
18593
18593
                                                                                                                                                                                                                                                                                                                                                                                                                          18599
18600
18600
18602
18603
18604
18605
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      18616
18617
18618
18619
18620
18621
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               18622
18623
18624
18625
18626
18627
18629
18630
18631
18633
18633
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   18634
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 18636
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               18644
                                                                                                                                                                                                                                                                                                                                                                                                      18598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   18637
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              18640
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     18648
                                                                                                                                                                                                                                                                                                                                                                                18597
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      18609
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               18610
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  18615
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    18641
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     18643
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        for testname in sawa eguti ; do
if [ "${testname}" = "sawa" ] ; then trainname=eguti ;elif [ "${testname}" = "eguti" ] ; then trainn
                                                                                                                                                                                                                                                             18524 '\cdots' | vowelrecog te:${testname} tr:${trainname} k:9 N:${NI}-${N2} m:${method} T:${T} tt:${t0}:${t1}:${t2}:${t2}:${t2} m:${method} T:${T} tt:${t0}:${t1}:${t2}:${t3}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           for testname in sawa eguti ; do
if [ "${testname}" = "sawa" ] ; then trainname=eguti ;elif [ "${testname}" = "eguti" ] ; then trainn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             18533 ''...' | vowelrecog te:${testname} tr:${trainname} k:9 N:${NI}-${N2} m:${method} T:${T} tt:${t0}:${t1}:${t1}.8534 done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            18543 for testname in sawa eguti ; do
18544 if [ "${testname}" = "sawa" ] ; then trainname=eguti ;elif [ "${testname}" = "eguti" ] ; then trainn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      nme-sawa ifi
1855 cen'o vowelrecog te:${testname} tr:${trainname} k:9 N:${NI}-${N2} m:${method} T:${T} ttr:${t0}:${t1}:${t1}:${t2}:${t3}:${t3}:${t1}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  18546 echo n | voweirecog te: ${testname} tr: ${trainname} k:9 N: ${N1}-${N2} m: ${method} T: ${T} ttr: ${t0}: ${t1}: ${t1}: ${t0}: $
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      for testname in sawa eguti ; do
if [ "${testname}" = "sawa" ] ; then trainname=eguti ;elif [ "${testname}" = "eguti" ] ; then trainn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         18556 echo n | voweirecog'te:${testname} tr:${trainname} k:9 N:${N1}-${N2} m:${method} T:${T} ttr:${t0}:${t1}}:${t1}:${t0}:$
                                                                                        rm -rf tmp/export T=100 N1=32 method=poles4 t0=1000 t1=1000 export t2=${t0} t3=${t1} N2=${N1} #te:sawa-aiueo is recognized as tr:eguti-aiueo via method=poles4.#0Krz2>1.0 || rz2<0.35 _t4=200 #te:eguti-aiueo is recognized as tr:sawa-aiueo via method=poles4.#0Krz2>1.0 || rz2<0.35 _t4=200 #te:eguti-aiueo is recognized as tr:sawa-aiueo via method=poles4.#0Krz2>1.0 || rz2<0.35 _t4=200
                      export t2=${t0} t3=${t1} N2=${N1} #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             rm -rf tmp;export T=100 N1=32 method=poles4 t0=1500 toffset=1000 t2=2000 #OK export L1= expr ${t0} + 200; export L3: expr ${t2} + 400; export N2=${N1}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              rm -rf tmp/export T=100 N1=32 method=poles4 t0=2000 toffset=0 t2=0 t3=2000 #te:eguti-aiueo is recognized as tr:sawa-aiueo via method=poles4.#0X #te:sawa-aiueo is recognized as tr:eguti-aiueo via method=poles4.#0X export t1='expr ${t0} + 200'; export N2=${N1}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ??#te:eguti-aiueo is recognized as tr:sawa-oiueo via method-direct.#NG??#te:sawa-aiueo is recognized as tr:eguti-oiueo via method-direct.#NG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    method=direct.#NG
                                                                                                                                                                                                                                                                                                                                                                                                                    rm -rf tmp;export T=100 N1=32 method=poles4 t0=0 t1=2000 t2=0 t3=2000 export N2=\$\{\mathrm{N1}\}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ??export t0=1000 T=100 NI=32 method=poles4
??tersiavat_ainte is recognized as tr:eyava-ainte was method=poles4.#
??tterswar-ainte is recognized as tr:eyativa-ainte was method=poles4.#
#te:eguti-aiueo is recognised as tr:sawa-aiueu via method=M4 #No rm - Kf tmp:export F1100 N1=22 method=M4 t0=100 t1=100 t1=1000) export t #te:eguti-aiueo is recognised as tr:sawa-aaueo via method=M4 #No
                                                                       #te:sawa-aiueo is recognized as tr:eguti-aiuoo via method=M4.#NG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ??#te:eguti-aiueo is recognized as tr:sawa-uiueo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ??#te:sawa-aiueo is recognized as tr:eguti-aiueo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ??export t0=2000 T=100 N1=32 method=direct #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ??export t0=2000 T=100 N1=1 method=direct
                                                                                                                                                                  #for testname in sawa ; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ??rm -rf tmp
                                                                                                                                                                                                                                    ame=sawa ;fi
18523 echo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ame=sawa ;fi
18532 echo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            done
                                                                                                                                                                                                                                                                                                                                                                                                                            18528
18529
                                                                                                                18518
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 18559
18560
18561
18562
18563
18564
18565
18566
18566
18567
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18572
18573
18574
18575
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              18530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       18540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             18541
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      18542
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            18547
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18549
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                18552
                                                                                                                                                                                                                 18522
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   18550
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          18551
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    18531
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     18548
```

```
nname=sawa ;fi

6. "${testname}" = "eguti" ]; then trainbame=squti ;elif [ "${testname}" = "eguti" ]; then trainbame=squti ;clif [ "${method} T:${T} ttr:${trainbame} tr:${trainbame} k:9 N:${N}-${N}-${N}-${N} m:${method} T:${T} ttr:${t0}:${18608} ??echo n | vowelrecod tp:${Pastrame} | vowelrecod tp:${Pastrame} | vowelrecod tp:${Pastrame} | vowelrecod tp:${T} ttr:${t0}:${T} ttr:${t0}:${T} ttr:${t0}:${T} ttr:${t0}:${T} ttr:${T} ttr:${
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ??for testname in sawa eguti ; do
??if [ "${testname}" = "sawa" ] ; then trainname=eguti ;elif [ "${testname}" = "eguti" ] ; then trai
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       for testname in sawa eguti ; do
if [ "${testname}" = "sawa" ] ; then trainname=eguti ;elif [ "${testname}" = "eguti" ] ; then trainn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     echo n | vowelrecog te:\$\{\text{testname}\} tr:\$\{\text{trainname}\} k:9 N:\$\{\text{NI}\}-\$\{\text{NI}\} m:\$\{\text{method}\} T:\$\{\text{T}\} t:\$\{\text{LI}\}:200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               export t1=500 T=10 N1=32; export N2=\xi{N1} #0K test:sawa:aiueo eguti:aiueo xz2>1.0 | | xz2<0.3 echo n | vowelrecog te:sawa tx:eguti k:9 N:\xi{N1}-\xi{N2} m:direct T:\xi{T} t:\xi{t1}:\xi000-2200 #N=50:oiue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             echo n | vowelrecog te:eguti tr:sawa k:9 N:${N1}-${N2} m:direct T:${T} t:${t1}:2000-2200 #N=50:aiue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ??<br/>rm -rf tmp;export T=100 N1=32 method=poles4 t0=2000 toffset=1000 t2=2000 ??<br/>rm -rf tmp;export T=100 N1=32 method=poles4 t0=1500 toffset=1000 t2=2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ??export N2=${N1} ; export t1='expr ${t0} + 200'; export t2=2000 t3=2200;
??export t0=2000 T=100 N1=32 method=poles4 toffset=0
P:Pete-squt-aiteo is recognized as tr:squt-aiteo via method=poles4.#OK
P:Pete:Peter size of secondarized as tr:Peguti-aiteo via method=poles4.#OK
                                                                                                                                                                                                                                                                                                                                                                                            ??#te:eguti-aiueo is recognized as tr:sawa-aiueo via method=poles4.#OK ??#te:sawa-aiueo is recognized as tr:eguti-aiueo via method=poles4.#OK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #te:eguti-aiueo is recognized as tr:sawa-oiueo via method=direct.#NG
#te:sawa-aiueo is recognized as tr:eguti-oiueo via method=direct.#NG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  method=direct.#NG
method=direct.#OK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   method=poles4.#OK method=poles4.#OK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       method=poles4.#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     method=poles4.#
                                                                                                                                                                                                                                                                                                    ??rm -rf tmp;export t0=1500 T=100 N1=32 method=poles4 toffset=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          via
via
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #te:eguti-aiueo is recognized as tr:sawa-aiaea via
#te:sawa-aiueo is recognized as tr:eguti-aiioi via
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #te:eguti-aiueo is recognized as tr:sawa-aiueo via
#te:sawa-aiueo is recognized as tr:eguti-aiueo via
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #te:eguti-aiueo is recognized as tr:sawa-uiueo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #te:sawa-aiueo is recognized as tr:eguti-aiueo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ??#OK with rz2>1.0 || rz2<0.3 in my_plinn.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ??#OK with rz2>1.0 | rz2<0.3 in my_plinn.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              export t1=2000 T=100 N1=32 method=direct #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  export t1=2000 T=100 N1=1 method=direct #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #OK with rz2>1.0 || rz2<0.3 in my_plinn.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            export t1=2000 T=100 N1=32 method=poles4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        export t1=1000 T=100 N1=32 method=poles4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ??export tl='expr ${t0} + 200';
??export t3='expr ${t2} + 400';
??export N2=${N1}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ??for testname in eguti ; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       :${t1}:${toffset} tte:${t2}:${t3}
```

```
18790 for vovelintion of aiueo of ${testname}"

18791 NI=1:NN=1:nn a i u eo o i do

18791 NI=1:NN=1:nn aiueo of ido

-kons{NI}=${NZ}-thetal.dat > /dev/null

18792 done

18793 done

18793 done

18793 done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 18786
18787
18788
18789
18790
                                                                                                                                                                                                       18698 for vowel in a i u e o ; {testvowel} of ${testname}"
18699 norm_poles tmp/${testvowel}-${testname}-k9N${NI}-${N2}-${feature}.dat tmp/${vowel}-${trainname}-k9N$
{NI}-${N2}-${feature}.dat > /dev/null
18700 #echo 'norm_poles tmp/${testvowel}-${testname}-k9N${NI}-${N2}-${feature}.dat tmp/${vowel}-${trainname}-k9N${NI}-$8N2}-${feature}.dat tmp/${vowel}-${trainname}-k9N${NI}-$8N2}-${feature}.dat tmp/${vowel}-${trainname}-k9N${NI}-$4N2}-${feature}.dat tmp/${vowel}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-${trainname}-k9N3}-$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18677 ccho "##### test:${testname} and train:${trainname} ###"

18679 for testvowell in a iu e o ; do

18679 echo "norm of poles between ${testvowel} of ${testname} and aiueo of ${trainname}"

18680 for vowel in a iu e o ; do

18681 norm_poles tmp/${testvowel}-${testname}-k9N${NI}-${N2}-${feature}.dat tmp/${vowel}-${trainname}-k9N$

18682 done

18683 done

18684 done
556 norm_poles tmp/${testvowel}-${testname}-k9N${NI}-${N2}-${feature}.dat tmp/${vowel}-${trainname}-k9N$
}-${N2}-${feature}.dat > /dev/nn11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       k:9 N:${N1}-${N2} m:direct T:100 t:${t1}:200-220 #N=1:aiu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               k:9 N:${N1}-${N2} m:direct T:100 t:${t1}:200-220 #N=1:oiu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                k:9 N:50-50 m:shrink2 T:100 t:2000:2000-2200 #aiueo rz2>1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        k:9 N:50-50 m:shrink2 T:100 t:2000:2000-2200 #oiooo rz2>1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             k:9 N:50-50 m:shrink2 T:100 t:1500:1500-1700 #aiueo rz2>1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              k:9 N:32-32 m:direct T:100 t:2000:2000-2200 #aiueo OK ?? k:9 N:32-32 m:direct T:100 t:2000:2000-2200 #oiueo NG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 k:9 N:32-32 m:direct T:100 t:1500:1500-1700 #aiueo OK ??
k:9 N:32-32 m:direct T:100 t:1500:1500-1700 #oiueo NG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        k:9 N:1-1 m:direct T:100 t:1500:1500-1700 #uiueo NG
k:9 N:1-1 m:direct T:100 t:1500:1500-1700 #aiueo OK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 k:9 N:60-60 m:direct T:100 t:1500:1500-1700 #aiueo k:9 N:60-60 m:direct T:100 t:1500:1500-1700 #oiueo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #export feature=poles5
#export feature=poles6 #LSP
#cxport feature=poles4 #
for testname in sawa eguti ; do
if ["%festname]" = "sawa"] ; then trainname=eguti ;
if ["%festname]" = "eguti" ]; then trainname=sawa;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   export testname=sawa trainname=eguti feature=poles5 export testname=sawa trainname=eguti feature=poles4 for testvowel in a i u e o ' do echo "regogtintion of ${testvowel} of ${testname}"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (1)shrink2で sawa と eguti 相互の訓練・認識が成功
shrink2は次のコニットをNSEの評価に使わない
著版する極(rz2>1.0)をもつ選想行列をもつコニット
減壊が大きい確(rz2<0.3)をもつ通過行列をもつコニット
コニット数は N:50-50 以上が必要のようだ。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     export N1=32 t1=2000; export N2=$\{N1\} echo n | vowelrecog te:sawa tr:eguti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  echo n | vowelrecog te:eguti tr:sawa echo n | vowelrecog te:sawa tr:eguti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 tr:sawa
tr:eguti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             echo n | vowelrecog te:sawa tr:eguti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            echo n | vowelrecog te:eguti tr:sawa echo n | vowelrecog te:sawa tr:eguti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    tr:eguti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 eo
18693 echo n | vowelrecog te:eguti tr:sawa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            tr:eguti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        vowelrecog te:eguti tr:sawa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          te:eguti tr:sawa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 18722 echo n | vowelrecog te:eguti
18723 echo n | vowelrecog te:sawa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      echo n | vowelrecog te:eguti
echo n | vowelrecog te:sawa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    echo n | vowelrecog te:sawa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ##############
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      rz2<0.3 OK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              rz2<0.3 NG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0 || rz2<0.3 OK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        o(OK) N=1:uiueo
18670 #export
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   060108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .0 || rz
18720
.0 || rz
18721
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18684
18686
18686
18687
18689
18690
18691
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 eo
18694
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    18695
18696
18697
18698
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        18713
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                18719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            18671
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            18673
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              18674
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   18704
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          18716
```

Dec 0	05 2019 1	13:52:41		readmeca	ın2r	eadmecan2mspeech.txt Page 288
18727 x 0.	echo n rz2<0.3 NG	vowelrecog	te:eguti	tr:sawa	٧: 9	N:50-50 m:shrink2 T:100 t:1500:1500-1700 #eiooo rz2>1
18729	echo n	vowelrecog	te:sawa	tr:eguti	k:9	N:70-70 m:shrink2 T:100 t:3000:3000-3200 #eiueo NG rz
18730 e	echo n	vowelrecog	te:sawa	tr:eguti	k:9	N:70-70 m:shrink2 T:100 t:4000:3000-3200 #oiueo NG rz
2>1.0 18731 (2>1.0	rz2<0.3 echo n rz2<0.3	vowelrecog	te:sawa	tr:eguti	к:9	N:60-60 m:shrink2 T:100 t:4000:3000-3200 #ouueo NG rz
18732	060106					
18734	echo	vowelrecog	te:sawa	tr:eguti	k:9	N:1-1 m:direct T:100 t:1500:1500-1700 #aiueo OK
18735	echo n	vowelrecog	te:sawa te:sawa	tr:eguti tr:eguti	ス ス の 。	N:32-32 m:direct T:100 t:1500:1500-1700 #oiuoo NG N:32-32 m:shrink2 T:100 t:1500:1500-1700 #oiuoo NG
18737	echo	vowelrecog	te:sawa	tr:eguti	k:9	N:1-32 m:direct T:100 t:1500:1500-1700 #oiueo NG
18738	echo	vowelrecog	te:sawa	tr:eguti	х х о :	N:80-60 m:direct T:100 t:1500:1500-1700 #oineo NG N:30-60 m:shrink2 T:100 t:1500:1500-1700 #aaaaa NG
18740	echo		te:sawa	tr:eguti	k:9	N:30-50 m:direct T:100 t:1500:1500-1700 #aiuoo NG
18741 18742 18743		vowelrecog vowelrecog	te:sawa te:sawa te:sawa	tr:eguti tr:eguti tr:eguti	х х х e e e e	:9 N:30-60 m:direct T:100 t:1500:1500-1700 #aiuco NG :9 N:60-60 m:direct T:100 t:1500:1500-1700 #oiueo NG :9 N:70-70 m:shrink2 T:100 t:1500:1500-1700 #aioeo rz221
.0 NG 18744	echo n	vowelrecog	te:sawa	tr:eguti	۲. 9:	N:70-70 m:shrink2 T:100 t:1500:1500-1700 #aioee rz2>1
.0 r	z2<0.5	the second second	0		۲.	N-70-70
τ 0. Σ ο.	N		ช พ พ พ	rr.egurī	χ. γ.	M.SHELIKZ 1:100 C.1500.1500-1/00 #Alueo FZZ>
18746	echo 1	vowelrecog	te:sawa	tr:eguti	k:9	N:32-32 m:shrink2 T:100 t:1500:1500-1700 #aioee rz2>1
18747	echo n	vowelrecog	te:sawa	tr:eguti	샤:9	N:40-40 m:shrink2 T:100 t:1500:1500-1700 #aioaa rz2>1
18748	echo r	vowelrecog	te:sawa	tr:eguti	۶. y	N:50-50 m:shrink2 T:100 t:1500:1500-1700 #aiueo rz2>1
.0 r 18749	rz2<0.3 OK echo n	vowelrecog	tr:eguti	te:sawa	k:9	N:50-50 m:shrink2 T:100 t:1500:1500-1700 #aiueo rz2>1
18750	6.0					
18751	echo	vowelrecog	te:eguti	tr:sawa	х х 0 :	
18753	echo		te:eguti	tr:sawa	K:9	
18754	echo n	vowelrecog	te:eguti te:eguti	tr:sawa tr:sawa	х х 0 :0	N:1-32 m:direct T:100 t:1500:1500-1700 #oiueo NG N:60-60 m:direct T:100 t:1500:1500-1700 #aiueo OK
18756)	1			
18757	echo	vowelredog	te:eauti	tr:sawa	6:5	N:32-
18759	echo		te:eguti	tr:sawa	8:3	N:32-
18760	echo	vowelrecog	te:eguti	tr:sawa:eguti	х х с с	N:32-
18762		lrecog	te:eguti	tr:sawa:eguti	9:	N:1-1 m:shrink2 T:100 t:1500:1500-1700 #uiueo
18763	echo	vowelrecog	te:eguti	tr:sawa:eguti	х: 9	N:1-1
18765	echo		te:sawa	tr:eguti	k:9	N:1-1 m:direct T:100 t:1500:1500-1700 #
18766	echo n	vowelrecog	te:eguti	tr:eguti:sawa	х х с. с	N:1-1 m:direct T:100 t:1500:1500-1700 #oiue
18768	echo		te:eguti		K:9	N:32-32 m:direct T:100 t:1500:1500-1700
18769	echo n	vowelrecog	te:eguti	tr:sawa	Х 2.	N:50
18771		0000 0000 0000 0000 0000 0000 0000 0000 0000	מ	r. egarı	ς γ	N.50-50 III. GIIEECL I.IOO C.ISOO.ISOO-I./OO
18772	######	######################################		trainname=equti feature=M1	r P ≡M	
18774	export	testname=sawa		trainname=eguti featu	re=t}	netal
18775	export t	testname=sawa		trainname=eguti feature=poles5	re=po	oles5
18777		N1=1 N2=\${N1};	ı, i,	וופ=בפתרד דבשרת	1 1 1 1	בות מיי
18778	for test	testvowel in a i u e o ;	ueo; do	do formall of	- Cm - Cm + C - C -	= 1 1 2
18780	for vowel		op ; do	VOWEL) OL PICE	scria	
18781	norm_vecs		cvowel}-\$-	{testname}-k9N	\$ {N1	<pre>tmp/\${testvowe1}-\${testname}-k9N\${N1}-\${N2}-\${feature}.dat tmp/\${vowe1}-\${trainname}-k9N\${</pre>
18782 #6	-v(re		o/\${testvo	owel}-\${testna	me } - }	<pre>//dev/nuii tmp/\${testvowel}-\${testname}-k9N\${NI}-\${N2}-\${feature}.dat tmp/\${vowel}-\${trainname</pre>
}-k9N\${	N1 } -\$ {N2}	}-k9N\${N1}-\${N2}-\${feature}.	.dat"		,	
18784	done					
18785		####################	** *			

vowelrecog tr:eguti te:sawa k:9 N:32-34 m:direct T:100 t:2000-2200 #o,i,u,e,o vowelrecog tr:sawa te:eguti k:9 N:32-34 m:direct T:100 t:2000-2200 #o,i,u,e,o 18881

########### Execute from here. 18882 18883 18884

export K=12 18885

k:9 N:32-32 m:shrink2 T:100 t:1500:3000-3200 #aiueo k:9 N:32-32 m:shrink2 T:100 t:1500:3000-3200 #aiueo

k:9 N:32-32 m:direct T:100 t:1500:2000-2200 #aiueo k:9 N:32-32 m:direct T:100 t:1500:2000-2200 #aiueo

tr:sawa te:sawa tr:sawa te:sawa

vowelrecog tr:sawa

vowelrecog te:sawa

vowelrecog te:sawa

vowelrecog

export K=8 18886 18887

export N1=2 N2=2 export N1=32 N2=34 export N1=1 N2=1 export N1=32 N2=34 18888 18889 18890 18891 18892

шмд=мд

export pM=pMs # shrink the net export method=mspE export method=mspe

export msp=msp

export T=100 g=5e-3 t1=2000 t2=2200 for name in eguti sawa ; do #for name in eguti ; do for onsei in a i u e o; do ens= # export

for vowel in a i u e o ; do
pred2y_ts tmp/a-sawa-k9N32-32-thetal.dat tmp/\${vowel}-eguti-k9N32-32-thetal.dat > /dev/null

for name in eguti sawa ; do
for vowel in a i u e o ; do
dytimeseries ../data/dy-\${name}-\${vowel}.dat > ../data/d2y-\${name}-\${vowel}.dat ;
done ;

1) z(t)=y(t)-y(t-1)& # δ dytimeseries.c

060103

8823

18827 18828 18829

done

18816

18819

18813 18814 18815

for name in eguti sawa ; do
for name in u u e o ; do
for vowell in a iu u e o; do
dytimeseries .../data/\$[name]-\${vowel}.dat > .../data/dy-\${name}-\${vowel}.dat ;
echo ".../data/dy-\${name}-\${vowel}.dat" ;
done ;

vowelrecog te:sawa tr:eguti k:9 N:1-1 m:direct T:100 t:2000-2200 #aiueo vowelrecog tr:sawa te:eguti k:9 N:1-1 m:direct T:100 t:2000-2200 #uiueo for vowel in a i u o ; do do pred2x_ts tmp/a-sawa-k9N32-32-M1.dat tmp/s{vowel}-eguti-k9N32-32-M1.dat x /dev/null

K:9 N:32-32 m:direct T:100 t:200-400 #oiueo K:9 N:32-32 m:direct T:100 t:200-400 #oiueo K:9 N:32-32 m:shrink2 T:100 t:2000-2200 #aiueo K:9 N:32-32 m:shrink2 T:100 t:2000-2200 #aiueo

te:eguti te:eguti

tr:eguti

vowelrecog te:sawa

18809

tr:eguti

k:9 N:60-60 m:shrink2 T:100 t:3000-3200 #aiuoo

te:eguti

vowelrecog tr:sawa vowelrecog tr:sawa vowelrecog tr:sawa vowelrecog te:sawa

dn_timeseries=./data/\${dname}.dat
dn_regression=./tmp/\${dname}-rg.dat dname=\${name}-\${onse1}

#0:timeseries,1:chaos prepare_data() in my_function.c cat >param.dat << EOF #save parameters

#Ttrain,Ttotal: points in time of training and total data #YOmin yOmax ylmin ylmax for normalization \${K} 0 #channels \${dn_timeseries} #training file \${t1} \${t2} #Training File 0 0 0 #Yoman Yoman Ylmin 18913

./can2 cparam.dat
cp tmp/train+test.dat \${dn_regression} ###各ユニット数について学習 #############

if [-e \${file}]; then echo \${file} exists. Omit calculation. ##既に学習 export N=\${N1} while {\$\N}. file=tmp/Dest\${msp}-5{dname}-K\${K}\N\${N}.net predfile=tmp/predictN\${N}.dat

if(net[nn].cell[n].am.M[0][k]>0.001) {NG=1; break;} in my_plinn.c vowelrecog te:dy-eguti tr:dy-sawa k:9 N:32-22 m:shrink1 7:100 t:2000-2200 #oiuco vowelrecog te:dy-eguti tr:ddy-sawa k:9 N:32-32 m:shrink1 7:100 t:2000-2200 #eiaeo

18839 18840 18841

18834 18835 18836

vowelrecog te:d2y-eguti tr:d2y-sawa k:9 N:32-32 m:direct T:100 t:2000-2200 #aiaao vowelrecog te:d2y-sawa tr:d2y-eguti k:9 N:32-32 m:direct T:100 t:2000-2200 #aiueo

vowelrecog te:dy-eguti tr:dy-sawa k:9 N:32-32 m:direct T:100 t:2000-2200 #aiueo vowelrecog te:dy-sawa tr:dy-eguti k:9 N:32-32 m:direct T:100 t:2000-2200 #oiueo

k:9 N:32-32 m:direct T:100 t:2000-2200 #oiueo k:9 N:32-32 m:direct T:100 t:2000-2200 #oiueo

vowelrecog te:d2y-eguti tr:d2y-sawa k:9 N:1-1 m:direct T:100 t:2000-2200 #uiaeo vowelrecog te:d2y-sawa tr:d2y-eguti k:9 N:1-1 m:direct T:100 t:2000-2200 #aiaeo

tr:eguti

tr:sawa

vowelrecog te:eguti

18853 18854 18855

18852

18846 18847 18848 18849

vowelzecog te:dy-eguti tr:dy-sawa k:9 N:1-1 m:direct T:100 t:2000-2200 #uiueo vowelzecog te:dy-sawa tr:dy-eguti k:9 N:1-1 m:direct T:100 t:2000-2200 #aiaeo

k:9 N:1-1 m:direct T:100 t:2000-2200 #uiueo k:9 N:1-1 m:direct T:100 t:2000-2200 #aiueo

tr:sawa tr:eguti

vowelrecog te:eguti vowelrecog te:sawa

18860 18861 18862 18863

vowelrecog te:dy-eguti tr:sawa k:9 N:1-1 m:shrink1 T:100 t:2000-2200 #oeueo

#Ttrain, Ttotal: points in time of training and total data #y0min y0max y1min y1max for normalization #n_cells storing vectors \${dn_timeseries} \${t1} \${t2} 0 0 0 #y0m Ê

18932

window width #n_compare #v_thresh v_min #v_ratio #width 0.53 0.2 18938 18933 18936 18939 18937 18934

gamma0, entropy_thresh 5e-3 0.7 #i=0:online,i=1:batch, gamm 0 #iterations to execute 100

--the following are param.dat---" "---the above are in param.dat---" echo "Executing can2 for $N=\$\{N\}$ " cat param.dat echo "--

can2 < param.dat
cp best\${msp}.net \${file}
cp predict.dat \${predfile}</pre> export ens=\$ens" "\${file} 18946 18947 18947 18950 18951 18951 18953 18955 18956 18956 18956 18956 18956 18956

vowelrecog te:sawa tr:eguti k:9 N:1-1 T:100 t:2000-2200
vowelrecog te:eguti tr:sawa k:9 N:1-1 T:100 t:2000-2200
vowelrecog te:eguti tr:sawa k:9 N:3-34 T:100 t:2000-2200
vowelrecog te:eguti tr:dy-sawa k:9 N:11-1 m:direct T:100 t:2000-2200 #u.i.u.e.o
vowelrecog te:dy-eguti tr:dy-eguti k:9 N:32-34 m:direct T:100 t:2000-2200 #u.i.u.e.o

(1) 認識? pM=pMc bestssp.net

051226

18865 18866 18867 18868 18868

051227 母音認識

make vowelrecog

N= expr $\xi\{N\}+1$, done #closing of while [$\xi\{N\}$ -le $\xi\{N2\}$] ; do done #closing of for name

#0:timeseries,1:chaos prepare_data() in my_function.c

###アンサンブル想起の実行 cat > param.dat << EOF \${K} 0 #channels {dn_timeseries} {t1} \${t2} #y0r

Dec 05 2019 13:52:41

#y0min y0max y1min y1max for normalization

-(can2 < param.dat can2 for \${(anea)} K = \${(N1)} - \${(N2)}^n each "### bone can2 for \${(anea)} K = \${(N1)} - \${(N2)}^n pfile2=tmp/\${(anea)}-poles&\${(N)} N\${(N1)} - \${(N2)} .dat pfile2=tmp/\${(anea)}-poles&\${(N)} N\${(N1)} - \${(N2)} .dat pfile2=tmp/\${(anea)}-poles&\${(N)} N\${(N1)} - \${(N2)} .dat con "or tmp/poles .dat \${(pfile)}^n cop tmp/poles at \${(pfile2)}^n cop tmp/poles at \${(pfile2)}^n cop tmp/poles .dat \${(pfile2)}^n cop tmp/poles .dat \${(pfile2)}^n

to here.

#closing of for onsei ########### Execute

echo "---the following are param.dat---" --the above are in param.dat---"

cat param.dat

echo EOF

#poles of M

\${ens} \${method} \${pM}

18963 18964 18965 18966 18967 18968 18970 18971

```
readmecan2mspeech.txt
 Dec 05 2019 13:52:41
```

```
dat mkfigs.gpl
gnuplot c mkfigs.gpl
gnuplot c mkfigs.gpl
tgif ${fbody}.obj: gv ${fbody}.eps&
#tgif *fbody}.obj: gv ${fbody}.eps &
#tgif *pint -eps -color -dontcondense -a4 ${fbody}.obj ; gv ${fbody}.eps &
#tgif -print -eps -color -jonvert -page A4+0+0 ${fbody}.gif ${fbody}.eps ; gv ${fbody}.eps &
#tgif -print -gif ${fbody}.obj ; convert -page A4+0+0 ${fbody}.gif ${fbody}.eps ; gv ${fbody}.eps &
#tgif -print -gif -a4 ${fbody}.obj ; convert -page A4+0+0 ${fbody}.gif ${fbody}.eps ; gv ${fbody}.eps }
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ${K} 0 #channels ${dn_timeseries} #training file ${dn_timeseries} #training tile #troining and total data ${t1} ${t2} #train, Ttotal: points in time of training and total data 0 0 0 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #Ttrain,Ttotal: points in time of training and total data #yOmin yOmax ylmin ylmax for normalization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cat >param.dat << EOF #save parameters
0 #0:timeseries,1:chaos prepare_data() in my_function.c</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cat > param.dat << EOF
0 #0:timeseries,1:chaos prepare_data() in my_function.c</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5e-3 0.7 #i=0:online,i=1:batch, gamma0, entropy_thresh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              if [ -e ${file} ]; then echo ${file} exists. Omit calculation. ##既に学習
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         export N=${N1} ens= #
while [ ${N} -1e ${N2} ] ; do
file=tmp/bestnsp-${dname}-K${K}N${N}.net
predfile=tmp/predictN${N}.at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ./can2 cparam.dat
cp tmp/train+test.dat ${dn_regression}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #n_cells storing vectors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      window width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #v_thresh v_min
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ###各ユニット数について学習
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ${K} 0 #channels
${dn_timeseries}
${t1} ${t2} #Tt
0 0 0 0 #yomin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #n_compare
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #v_ratio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ############
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ${N}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                else
```

cat >> mkfigs.gpl <<EOF set origins $\{pos\}$ value $\{k\}$ (K)N\$(N) dat" using 1:2 t "\$ $\{F\}$ -\${name1}K\$(K)N\$(N]", \\ cos(t), sin(t) t "1.0" w 1 1, 0.7*cos(t),0.7*sin(t) t "0.7" w 1 1

if ["\${F}" != "aiueo"] ; then

19016 19017 19018 19019 19020 19021 19022 19025 19026 19026 19027 19029 19030 19033

for F in a i u e o aiueo ; do = "X1, y3"; if ["\${F}" = "a"] ; then pos="X2, y3"; elif ["\${F}" = "u"] ; then pos="X2, y3"; elif ["\${F}" = "e"] ; then pos="X2, y2"; elif ["\${F}" = "e"] ; then pos="X2, y2"; elif ["\${F}" = "e"] ; then pos="X2, y2"; elif ["\${F}" = "e"] ; then pos="X2, y2"; elif ["\${F}" = "e"] ; then pos="X2, y1";

export fbody=_aiueo_K\${K}N\${N}\${poles}

ntsize 0.5 19012 #set 19013 set d=0.4; 19014 set 19015 set

########## Execute from here.

189974 1189974

199125 199127 199127 199127 199133 199137 199138 199138 199138

19143 19144 19145 19146 19147 199150 199151 199155 199155 199155 199155 199156 199166 199166 199167 199167 199167 199173 199173

Dec 05 2019 13:52:41 readmecan2mspeech.txt

```
#set terminal x11; set pointsize 2!x1=0.1!x2=0.1!y1=0.1!y2=0.1!y3=0.1!dd=0.8!set size square; set terminal tgif; set output "<math>\$\{fbody\}.obj"; set pointsize 0.5!x1=0.1!x2=0.6!y1=0.1!x2=0.6!y1=0.1!y2=0.7!d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     poi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    set xtics (-2,-1,0,1,2); set ytics (-2,-1,0,1,2); set grid; set size square; set parametric; set
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             set size square dd,dd; set rmargin 0; set lmargin 0; set tmargin 0; set bmargin 0; set multiplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cu cup. The sequti name2-sawa R=8 N=1. poles=poles3 title="LESP" export name1-sequti name2-sawa R=8 N=1. poles=poles3 title="LESP" export name1-sequti name2-sawa R=12 N=1-1 poles=poles title="LESP" export name1-sequti name2-sawa R=12 N=1-1 poles-poles title="LESP" export name1-sequti name2-sawa R=9 N=2-2 poles-poles title="LESP" export name1-sequti name2-sawa R=9 N=2-2 49 toles-poles title="LESP" export name1-sequti name2-sawa R=9 N=32-34 poles-poles title="Poles of LPC" export name1-sequti name2-sawa R=8 N=1-1 poles-poles title="LESP" export name1-sequti name2-sawa R=9 N=1-1 poles-poles title="LESP" export name3-1 poles-poles title="LESP" export
#method=mspE>MSE---;7.779026e+01 NMSE---;6.654535e-02eguti-e K=9 N=32-34 #method=mspE>MSE---;2.975006e+01 NMSE---;1.979405e-02eguti-e K=9 N=32-34 #method=mspE>MSE---;1.67054e+00 NMSE---;3.193057e-02eawa-a K=9 N=32-34 #method=mspE>MSE---;3.3.04374e+02 NMSE---;3.154051e-01sawa-i K=9 N=32-34 #method=mspE>MSE---;2.011944e+02 NMSE---;7.54723a-02sawa-a K=9 N=32-34 #method=mspE>MSE---;2.011944e+02 NMSE---;7.54723a-02sawa-a K=9 N=32-34 #method=mspE>MSE---;2.51536e+01 NMSE---;7.49743e-01sawa-e K=9 N=32-34 #method=mspE>MSE---;2.51536e+02 NMSE---;1.349743e-01sawa-c K=9 N=32-34 # mspe: 各 ステップ でアッサッ ブルしながら参段 予測
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         for F in a i u e o alueo ; do

if [ "$[F] = "a" ] ; then pos="x1,y3";

elif [ "$[F] = "u" ] ; then pos="x2,y3";

elif [ "$[F] = "u" ] ; then pos="x1,y2";

elif [ "$[F] = "u" ] ; then pos="x1,y2";

elif [ "$[F] = "o" ] ; then pos="x2,y2";

elif [ "$[F] = "o" ] ; then pos="x2,y2";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                形予遺係数 (CAN2のM)を求める
を状め。
の部が値が1~0.707位のものを選択。
形予道係数に逆変数
関ならに対象数
数ないfilmen Spectral Pairs)に変数
数ペクトルの内積を求める
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       export fbody=_aiueo_K${K}N${N}${poles}
cat > mkfigs.gpl <<EOF
set title "${title}"</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ########### Execute from here.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ]; then
```

```
1931, set origin. A. 17.7.

19318 plot [0.27pi][-2:2][-2:2] "eguti-a-polesKBN1-1.dat" using 1:2 t "a-egutikBN1", "sawa-a-polesKBN1-1.d

19319 set origin x2,y3;

19320 plot [0:27pi][-2:2][-2:2] "eguti-i-polesKBN1-1.dat" using 1:2 t "i-egutikBN1", "sawa-i-polesKBN1-1.d

19321 set origin x1,y2;

19322 plot [0:27pi][-2:2][-2:2] "eguti-i-polesKBN1-1.dat" using 1:2 t "i-egutikBN1", "sawa-i-polesKBN1-1.d

19323 set origin x1,y2;

19323 set origin x2,y3;

19323 set origin x2,y3;

19334 plot [0:27pi][-2:2][-2:2] "eguti-u-polesKBN1-1.dat" using 1:2 t "u-egutikBN1", "sawa-u-polesKBN1-1.d

19333 set origin x2,y2;

19344 plot [0:27pi][-2:2][-2:2] "eguti-e-polesKBN1-1.dat" using 1:2 t "e-egutikBN1", "sawa-e-polesKBN1-1.d

19325 set origin x1,y2;

19326 plot [0:27pi][-2:2][-2:2] "eguti-e-polesKBN1-1.dat" using 1:2 t "e-egutikBN1", "sawa-e-polesKBN1-1.d

19325 set origin x1,y2;

19326 plot [0:27pi][-2:2][-2:2] "eguti-e-polesKBN1-1.dat" using 1:2 t "o-egutikBN1", "sawa-o-polesKBN1-1.d

19338 set origin x1,y2;

19338 set origin x2,y1;

19348 set origin x2,y1;

19358 set origin x2,y1;

19359 set origin x2,y2;

19359 set origin x2,y3;

19359 set origin x2,y3;

19350 set origin x2,x3;

19350 set origin x2,x3;

19350 set or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cat mkfigs.gpl
gnuploc ankfigs.gpl
gnuploc ankfigs.gpl
scale ($\footy\).epsk
#tgif $\footy\).obj gv $\footy\).epsk
#tgif $\footy\).obj gv $\footy\).eps $\footy\).obj ; gv $\footy\).eps $\footy\).eps $\footy\]
#tgif -print -eps -color -dontcondense -a4 $\footy\).obj ; convert -page A4+0+0 $\footy\).eps $\footy\).eps $\footy\]
#tgif -print -gif $\footy\).obj ; convert -page A4+0+0 $\footy\).gif $\footy\).eps ; gv $\footy\].eps $\footy\]
{K}N${N}.dat" using 1:2 t "u-${name2}x${K}N${N}" w p 3, \\
{R}N${N}.dat" using 1:2 t "u-${poles}K${K}N${N}" w p 4, "${name2}-e-${poles}X$

{R}N${N}.dat" using 1:2 t "u-${name2}x${K}N${N}" w p 4, "${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x${name2}x
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            19329 plot [0:2*pi][-2:2][-2:2] "eguti-a-polesK8N1-1.dat" using 1:2 t "a-egutiK8N1" w p 1, "sawa-a-polesK8 N1-1.dat" using 1:2 t "a-sawaK8N1" w p 1, \ N1-1.dat" using 1:2 t "a-sawaK8N1" w p 1, \ awaK8N1" w p 2, "sawa-i-polesK8N1-1.dat" using 1:2 t "i-sawa-i-polesK8N1-1.dat" using 1:2 t "i-s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "eguti-o-polesK8NI-1.dat" using 1:2 t "o-egutiK8NI" w p 5, "sawa-o-polesK8NI-1.dat" using 1:2 t "o-s w p 5, cost(), sin(t) t "1.0" w l 1, 0.7*cos(t),0.7*sin(t) t "0.7" w l 1 unset multiplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             set title "poles of LPC" set ytics (-2,-1,0,1,2); set grid; set size square; set parametric; set poi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "eguti-u-polesK8N1-1.dat" using 1:2 t "u-egutiK8N1" w p 3, "sawa-u-polesK8N1-1.dat" using 1:2 t "u-s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "eguti-e-polesK8N1-1.dat" using 1:2 t "e-egutiK8N1" w p 4, "sawa-e-polesK8N1-1.dat" using 1:2 t "e-s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                tgif -print -eps -color -dontcondense -a4 ${fbody}.obj ; gy ${fbody}.eps & #tgif -print -gif ${fbody}.obj ; convert -page A4+0+0 ${fbody}.gif ${fbody}.eps ; gv ${fbody}.eps & #lpr ${fbody}.eps;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #set terminal x11; set pointsize 2:x1=0.1:x2=0.1:y1=0.1:y2=0.1:y3=0.1:dd=0.8:set size square; set terminal tgif; set output "_aiueo-K8N1.obj"; set pointsize 0.5:x1=0.1:x2=0.6:y1=0.1:y2=0.4:y3=0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    set size square dd,dd; set rmargin 0; set lmargin 0; set tmargin 0; set bmargin 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ############ poles3=LSP K8N1 Poles of LPC (Linear Predictive Coefficients)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ########### Execute to here.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #for F in a i u e o aiueo ; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    for F in alueo ; do fbody=_${F}-K8N1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #lpr ${fbody}.eps;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          set multiplot
set origin x1,y3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             awaK8N1" w p 3,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   awaK8N1" w p 5,
19334 unset ....
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        gnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cd tmb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19311 set
19312 set
ntsize 0.5
19313 #set
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            19290
19291
19292
19293
19293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19286
19287
19288
19289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  19298
19299
19300
19301
19302
19303
19304
19306
19306
19308
19308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         19314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             19333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7;dd=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19315
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

```
19361 set origin x2,y2;

19362 plot (0:2*pli[-2:2][-2:2] "equti—e-polesK9N1-1.dat" using 1:2 t "e-equtiK9N1", "sawa-e-polesK9N1-1.dat" using 1:2 t "e-equtiK9N1", "sawa-e-polesK9N1-1.dat" using 1:2 t "e-equtiK9N1", "sawa-e-polesK9N1-1.dat" using 1:2 t "o-equtiK9N1", "sawa-o-polesK9N1-1.dat" using 5 set origin x2,y1;

19365 set origin x2,y1;

19365 set xics (-2,-1,0,1,2); set ytics (-2,-1,0,1,2); set grid; set size square; set parametric; set poi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  19391 set size square dd,dd; set rmargin 0; set lmargin 0; set tmargin 0; set bmargin 0; 19392 set multiplot 19393 set oxigin xL,y3; 19394 plot [0:2*pil[-2:2][-2:2] "eguti-a-polesK9N1-1.dat" using 1:2 t "a-egutiK9N1", "sawa-a-polesK9N1-1.d at" using 1:2 t "a-sawaK9N1", cos(t),sin(t) t "1.0" w 1 1, 0.7*cos(t),0.7*sin(t) t "0.7" w 1 1 19395 set oxigin x2,y3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ntsize 0.5
19367 plot [0:2*pl][-2:2][-2:2] "eguti-a-polesK9NI-1.dat" using 1:2 t "a-egutiK9NI" w p 1, "sawa-a-polesK9
NL-1.dat" using 1:2 t "a-sawaK9NI" w p 1, \ 1. 19368 "eguti-i-polesK9NI-1.dat" using 1:2 t "i-s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  awakSN1" w p 2, \
19369 "eguti-u-polesK9N1-1.dat" using 1:2 t "u-egutiK9N1" w p 3, "sawa-u-polesK9N1-1.dat" using 1:2 t "u-s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    awaK9N1" w p 3, \-
19370 "eguti-e-polesK9N1-1.dat" using 1:2 t "e-egutiK9N1" w p 4, "sawa-e-polesK9N1-1.dat" using 1:2 t "e-s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19396 plot [0:2*pi][-2:2][-2:2] "eguti-i-polesK9N1-1.dat" using 1:2 t "i-egutiK9N1", "sawa-i-polesK9N1-1.d ar using 1:2 t "-sawamaK9N1", cos(t),sin(t) t "1.0" w 1 1, 0.7*cos(t),0.7*sin(t) t "0.7" w 1 1 19397 set origin x1,22;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19397 set origin x1,y2;
19389 piet (10:2*pil-2:2][-2:2] "eguti-u-polesK9N1-1.dat" using 1:2 t "u-egutiK9N1", "sawa-u-polesK9N1-1.d at" using 1:2 t "u-sawaK9N1", cos(t),sin(t) t "1.0" w l l, 0.7*cos(t),0.7*sin(t) t "0.7" w l l
19399 set origin x2,y2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19401 set origin x1,y1;
19402 plot (0:2*pi][-2:2][-2:2] "eguti-o-polesK9N1-1.dat" using 1:2 t "o-egutiK9N1", "sawa-o-polesK9N1-1.dat" using 1:2 t "o-eawaK9N1", cos(t),sin(t) t "1.0" w 1 1, 0.7*cos(t),0.7*sin(t) t "0.7" w 1 1
19403 set origin x2,y1;
19404 set xtics (-2,-1,0,1,2); set ytics (-2,-1,0,1,2); set grid; set size square; set parametric; set poi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        poi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   19400 plot [0:2*pi]['2:2][-2:2] "eguti-e-polesK9N1-1.dat" using 1:2 t "e-egutiK9N1", "sawa-e-polesK9N1-1.dat" using 1:2 t "e-sawaK9N1", cos(t),sin(t) t "1.0" w 1 1, 0.7*cos(t),0.7*sin(t) t "0.7" w 1 1
                                                                                                                                                                                                                                               poi
                                                                                                                                                                                                                                                                                                                            #set terminal x11; set pointsize 2!x1=0.1!x2=0.1!y1=0.1!y2=0.1!y3=0.1!xda=0.8!set size square; set terminal tgif; set output "_aiueo-K9N1.obj"; set pointsize <math>0.5!x1=0.1!x2=0.6!y1=0.1!y2=0.4!y3=0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #set terminal x11; set pointsize 2:x1=0.1:x2=0.1:y1=0.1:y2=0.1:y3=0.1:dd=0.8:set size square; set terminal tgif; set output "_aiueo-K9N1.obj"; set pointsize 0.5:x1=0.1:x2=0.6:y1=0.1:y2=0.4:y3=0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 -print -eps -color -dontcondense -a4 \{\{body\}.obj ; gv \{\{body\}.eps \& E-print -gif \{\{body\}.obj ; convert -page A4+0+0 \{\{body\}.gif \{\{body\}.eps ; gv \{\{body\}.eps \& A+print -gif \{\{body\}.obj ; convert -page A4+0+0 \{\{body\}.gif \{\{body\}.eps ; gv \}\{\{body\}.eps & A+print -gif \{\{body\}.eps ; gv \}\{\{body\}.eps & A+print -gif \{\{body\}.eps ; gv \}\{\{body\}.eps & A+print -gif \{\{body\}.eps ; gv \}\}\}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         set title "Poles of LPC" set vics (-2,-1,0,1,2); set grid; set size square; set parametric; set
                                                                                                                                                                                                                                               size square; set parametric; set
                                                                                                                                                                                                                                                                                                                                                                                                                                                    set size square dd,dd; set rmargin 0; set lmargin 0; set tmargin 0;
                                                                                 ############ poles=LCP K9N1 Poles of LPC (Linear Predictive Coefficients)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ############# poles=LSP K9N1 Poles of LPC (Linear Predictive Coefficients)
                                                                                                                                                                  gnuplot set title "Poles of LPC" set ytics (-2,-1,0,1,2); set grid; set xitcs (-2,-1,0,1,2); set ytics (-2,-1,0,1,2);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #for F in a i u e o aiueo ; do
for F in aiueo ; do
fbody=_${F}-K9N1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #lpr ${fbody}.eps;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          set origin x1, y3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      unset multiplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ###############
##############
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   set multiplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cd tmp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       gnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #tgif
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ntsize 0.5
19389 #set
19390 set
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         19375
19376
19377
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         19381
19382
19383
19384
19385
19386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         19387
19388
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   19354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19378
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   19380
```

```
fbody | .eps;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   19481 set origin x2,y1;
19482 set xtics (-2,-1,(
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               fbody=_${F}-K8N1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gv ${fbody}.eps &
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ###############
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         -sawaK8N1" w p 3,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -sawaK9N1" w p 4,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -sawaK9N1" w p 2,
19519 "Amiti -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -sawaK9N1" w p 3,
                                                                 3=0.7;dd=0.4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ntsize 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19518
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19523
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19491
19492
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 119494
1194494
1194494
1194497
1194499
119500
119501
119502
119503
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           19485
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19486
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          19490
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19505
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             19434 set origin x2,y3;
19434 set origin x2,y3;
19435 ptot [0.2*pi][-2.2][-2.2] "getti-i-polesKBN1-1.dat" using 1:2 t "i-egutikBN1", "sawa-i-polesKBN1-1.d
at" using 1:2 t "i-sawakBN1", cos(t).sin(t) t "" u l l
19436 ptot [0.2*pi][-2.2][-2.2][-2.2] "getti-u-polesKBN1-1.dat" using 1:2 t "u-egutikBN1", "sawa-u-polesKBN1-1.d
19437 ptot [0.2*pi][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19442 set origin x2,y1:
19443 set xtics (-2,-1,0,1,2); set ytics (-2,-1,0,1,2); set grid; set size square; set parametric; set poi ntsize 0.5
19444 plot [0:2*p1][-2:2] "eguti-a-polesK8N1" nt is nt i
                                             19409 "equti-o-polesK9N1-1.dat" using 1:2 t "o-egutiK9N1" w p 5, "sawa-o-polesK9N1-1.dat" using 1:2 t "o-s asx8N1" w p 5, cost(t).sin(t) t "1.0" w l 1, 0.7*cos(t),0.7*sin(t) t "0.7" w l l 1410 unset multiplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              set title "Poles of LPC" set ytics (-2,-1,0,1,2); set grid; set size square; set parametric; set poi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 19428 set terminal tgif; set output "_aiueo-K8N1-LSP.obj"; set pointsize 0.5;x1=0.1;x2=0.6;y1=0.1;y2=0.4;y3=0.7;dd=0.4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19433 plot [0:2*pi][-2:2][-2:2] "eguti-a-polesK8N1-1.dat" using 1:2 t "a-egutiK8N1", "sawa-a-polesK8N1-1.d
at" using 1:2 t "a-sawaK8N1", cos(t),sin(t) t "" w 1 1 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 19445 "eguti-i-polesK8NI-1.dat" using 1:2 t "i-egutiK8NI" w p 2, "sawa-i-polesK8NI-1.dat" using 1:2 t "i-sawax8NI" w p 2, \
                                                                                                                                                                                                                                                                                  "eguti-u-polesK9N1-1.dat" using 1:2 t "u-egutiK9N1" w p 3, "sawa-u-polesK9N1-1.dat" using 1:2 t "u-s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "eguti-u-polesK8N1-1.dat" using 1:2 t "u-egutiK8N1" w p 3, "sawa-u-polesK8N1-1.dat" using 1:2 t "u-s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "eguti-e-polesK8N1-1.dat" using 1:2 t "e-egutiK8N1" w p 4, "sawa-e-polesK8N1-1.dat" using 1:2 t "e-s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19448 "eguti-o-polesK8N1-1.dat" using 1:2 t 'o-egutiK8N1" w p 5, "sawa-o-polesK8N1-1.dat" using 1:2 t "o-sawax8N1" w p 5, cos(t),sin(t) t "1.0" w 1 1, 0.7*cos(t),0.7*sin(t) t "0.7" w 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   set xtics (-2,-1,0,1,2); set ytics (-2,-1,0,1,2); set grid; set size square; set parametric; set poi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   19429 set terminal x11; set pointsize 2;x1=0.1;x2=0.1;y1=0.1;y3=0.1;d3=0.8;set size square;
19430 set size square dd,dd; set rmargin 0; set 1margin 0; set tmargin 0; set bmargin 0;
19431 set multiplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           set terminal x11; set pointsize 2;x1=0.1;x2=0.1;y1=0.1;y2=0.1;y3=0.1;dd=0.8;set size square;
                                                                                                                                                                                                                                                                                                                                                                                                 "eguti-e-polesK9N1-1.dat" using 1:2 t "e-egutiK9N1" w p 4, "sawa-e-polesK9N1-1.dat" using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                for F in alueo ; do fbody=&fF}-K9M1, editional fbody=&fF}-K9M1, editional fbody=&fF}-K9M1, editional fbody-color -dontcondense -a4 ${fbody}.obj ; gy ${fbody}.eps & #tgif -print -ajf ${fbody}.eps; and fbody}.eps; alph ${fbody}.eps;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #上の結果を眺めると、各母音毎に、特徴的な数個の極の付近に極が有るか無いかで認識できそう。
米だし、彼がのように分析状数K個のすべての極の距離を調べたらだめ 1.3
#for Fin a i u eo alueo;do
for Fin alueo;do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ############## poles3=LSP KBN1 Poles of LPC (Linear Predictive Coefficients)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #tgif -print -eps -color ${fbody}.obj ;
tgif -print -gif ${fbody}.obj ; convert ${fbody}.gif ${fbody}.eps
#ipr ${fbody}.eps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ########### poles3=LSP K8N1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #for F in a i u e o aiueo ; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          set origin x1,y3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            gv ${fbody}.eps &
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              fbody=_${F}-K8N1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             unset multiplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ##################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cd tmp; gnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                     awaK9N1" w p 4,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              awaK8N1" w p 3,
                                                                                                                                                                                                                                                                                                                                      awaK9N1" w p 3,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          awaK8N1" w p 4,
ntsize 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ntsize 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         19416
19417
19418
19419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              19426
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19447
                                                                                                                                                                                                                                                                                                                                                                                                 19408
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           19423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19425
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19446
                                                                                                                                                                                                                                                                                  19407
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            19453
```

19467 set terminal tgif; set output "_aiueo-K8N1-LSP.obj"; set pointsize 0.5;x1=0.1;x2=0.6;y1=0.1;y2=0.4;y

readmecan2mspeech.txt

```
19470 set title "LSP(Linear Spectral Pairs)"
19471 set origin X1,73;
19470 set title "LSP(Linear Spectral Pairs)"
19471 set origin X1,73;
19473 set origin X1,73;
19473 set origin X2,73;
19473 set origin X2,73;
19474 plot [0:2*pi][-2:2][-2:2] "eguti-i-poles3K8NI-1.dat" using 1:2 t "i-egutiK8NI", "sawa-i-poles3K8NI-1.11
19474 plot [0:2*pi][-2:2][-2:2] "eguti-i-poles3K8NI-1.dat" using 1:2 t "i-egutiK8NI", "sawa-i-poles3K8NI-1.11
19476 plot [0:2*pi][-2:2][-2:2][-2:2] "eguti-u-poles3K8NI-1.dat" using 1:2 t "u-egutiK8NI", "sawa-u-poles3K8NI-1.dat" using 1:2 t "e-egutiK8NI", "sawa-e-poles3K8NI-1.dat" using 1:2 t "c-egutiK8NI", "sawa-e-poles3K8NI-1.dat" using 1:2 t "c-egutiK8NI", "sawa-o-poles3K8NI-1.dat" using 1:2 t "c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19483 plot [0:2*pi][-2:2][-2:2] "eguti-a-poles3X8N1-1.dat" using 1:2 t "a-egutiK8N1" w p 1, "sawa-a-poles3X8N1-1.dat" using 1:2 t "a-sawax8N1" w p 1, \ 19484 "eguti-i-poles3X8N1-1.dat" using 1:2 t "i-egutiK8N1" w p 2, "sawa-i-poles3X8N1-1.dat" using 1:2 t "i-egutiK8N1" w p 2, "sawa-i-poles3X8N1-1.dat" using 1:2 t "i-egutiK8N1" w p 2, \ 19484 "eguti-i-poles3X8N1-1.dat" using 1:2 t "i-egutiK8N1" w p 2, \ 19494 "eguti-i-poles3X8N1-1.dat" using 1:2 t "i-eguti-i-poles3X8N1" w p 2, \ 19494 "eguti-i-poles3X8N1" w p 2, \ 19494 "eguti-i-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .dat" using 1:2 t "i-sawaK9N1", cos(t),sin(t) t "" w 1 1 1
1950 set terminal XII; replot
19510 plot (terminal tgif; set cutput "= 1-KNN1-LSP.od)", replot; set terminal XII; replot
19510 plot [0:2*pl][-2:2][-2:2] "egutia-u-poles3K9N1-1.dat" using 1:2 t "u-egutik9N1", "sawa-u-poles3K9N1-1
dat" using 1:2 t "u-sawaK9N1", cos(t),sin(t) t "" w 1 1
19511 set terminal tgif; set cutput "= u-K9N1-LSP.od)"; replot; set terminal XII; replot
19512 plot [0:2*pl][-2:2] "egutia-poles3K9N1-1.dat" using 1:2 t "e-egutik9N1", "sawa-e-poles3K9N1-1
19512 plot [0:2*pl][-2:2] "egutia-poles3K9N1-1.dat" using 1:2 t "e-egutik9N1", "sawa-e-poles3K9N1-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      dat" using 1:2 t"e-sawaK9N!", cos(t),sin(t) t"" w 1 11

19513 set terminal X11; replot
19514 plot (6:2*pi](-2:2]|-2:2] "eguti-o-poles3K9Nl-1.dat" using 1:2 t"o-egutiK9N!", "sawa-o-poles3K9Nl-1
19514 plot (6:2*pi](-2:2]|-2:2] "eguti-o-poles3K9Nl-1.dat" using 1:2 t"o-egutiK9N!", "sawa-o-poles3K9Nl-1
19515 set terminal tgif; set coet(t),sin(t) t"" w 1 1
19515 set terminal tgif; set cutput "o-K9Nl-1.ESp.ob]"; replot; set terminal X11; replot
19516 set xics (-2,-1,0,1,2); set yids (-2,-1,0,1,2); set grid; set size square; set parametric; set pol
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "eguti-e-poles3K9N1-1.dat" using 1:2 t "e-egutiK9N1" w p 4, "sawa-e-poles3K9N1-1.dat" using 1:2 t "e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   19521 "eguti-o-poles3K9N1-1.dat" using 1:2 t "o-egutiK9N1" w p 5, "sawa-o-poles3K9N1-1.dat" using 1:2 t "o sawa-o-poles6K9N1-1.dat" using 1:2 t "o sawa-o-poles6K9N1-1.dat" using 1:2 t "o sawars9N1" w p 5, cosf(\rho, sin(\rho) w 1 1, \rho) "y sin(\rho) "y sin(\rho) "y sin(\rho) "y is a t computed to the same set terminal X11; replot "alueo-K9N1-15p, obj"; replot; set terminal X11; replot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "eguti-u-poles3k8N1-1.dat" using 1:2 t "u-egutik8N1" w p 3, "sawa-u-poles3k8N1-1.dat" using 1:2 t "u
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "eguti-e-poles3K8N1-1.dat" using 1:2 t "e-egutiK8N1" w p 4, "sawa-e-poles3K8N1-1.dat" using 1:2 t "e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cd tmp; gnuplot set xtics (-2,-1,0,1,2); set grid; set size square; set parametric; set poi set xtics (-2,-1,0,1,2); set ytics (-2,-1,0,1,2); set ytics (-2,-1,0,1,2); set ytics (-2,-1,0,1,2); set xtics (-2,-1,0,1,2); set ytics (-2,-1,0,1,2); ytics (-2,-1,0,1,2); set ytics (-2,-1,0,1,2); ytics (-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ntsize 0.5
19506 plot [0:2*pi][-2:2][-2:2] "eguti-a-poles3X9NI-1.dat" using 1:2 t "a-egutiX9NI", "sawa-a-poles3X9NI-1
dat" using 1:2 t "a-sawaX9NI", cos(t),sin(t) t "" w 1 1 1.
19507 set terminal tgif; set output "a-X8NI-LSB.ob]"; replot; set terminal XII; replot
19508 plot [0:2*pi][-2:2][-2:2] "eguti-i-poles3X9NI-1.dat" using 1:2 t "i-egutiX9NI", "sawa-i-poles3X9NI-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19517 plot [0:2*pi][-2:2][-2:2] "eguti-a-poles3K9N1-1.dat" using 1:2 t "a-egutiK9N1" w p 1, "sawa-a-poles3 K9N1-1.dat" using 1:2 t "a-sawaK9N1" w p 1, \
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                at" using 1:2 t "a-sawaK9N1" w p 1, \
"eguti-i-poles3K9N1-1.dat" using 1:2 t "i-egutiK9N1" w p 2, "sawa-i-poles3K9N1-1.dat" using 1:2 t "i
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "eguti-u-poles3K9N1-1.dat" using 1:2 t "u-egutiK9N1" w p 3, "sawa-u-poles3K9N1-1.dat" using 1:2 t "u
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   set xtics (-2,-1,0,1,2); set ytics (-2,-1,0,1,2); set grid; set size square; set parametric; set poi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #上の結果を眺めると、各母音毎に、特徴的な数値の極の付近に極が有るか無いかで認識できそう。
#ただい、従来のように分析次数k個のすべての極の距離を調べたらだめ i?
#for F in a i u e o aiueo i do
for F in aiueo i do
19468 set size square dd,dd; set rmargin 0; set lmargin 0; set tmargin 0; set bmargin 0; 19469 set multiplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19524 #上の結果を眺めると、各母音毎に、特徴的な数個の極の付近に極が有るか無いかで認識できそう。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #tgif -print -eps -color ${fbody}.obj;
tgif -print -gif ${fbody}.obj; convert ${fbody}.gif ${fbody}.eps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ######## LSP K9N1
```

```
Tarsize v. 3

19563 plot [0:2*pi][-2:2][-2:2] "eguti-a-polesK9N1-1.dat" using 1:2 t "a-egutiK9N1", "sawa-a-polesK9N1-1.d at" using 1:2 t "a-sawaK9N1", cos(t),sin(t) t "" w 1 1 1

1964 set terminal tgif; set output "a-K8N1.ob); replot; set terminal X11; replot

1965 plot [0:2*pi][-2:2][-2:2] "eguti-i-polesK9N1-1.dat" using 1:2 t "i-egutiK9N1", "sawa-i-polesK9N1-1.d

1966 set terminal tgif; set output "i-k9N1.ob); replot; set terminal X11; replot

1966 set terminal tgif; set output "at "w 1 1 1

1967 plot [0:2*pi][-2:2][-2:2] "eguti-u-polesK9N1-1.dat" using 1:2 t "u-egutiK9N1", "sawa-u-polesK9N1-1.d

1968 set terminal tgif; set output "u-K9N1.ob); replot; set terminal X11; replot

1959 plot [0:2*pi][-2:2][-2:2] "eguti-e-polesK9N1-1.dat" using 1:2 t "eegutiK9N1", "sawa-e-polesK9N1-1.d

19570 set terminal tgif; set output "-k9N1.ob); replot; set terminal X11; replot

19571 plot [0:2*pi][-2:2][-2:2] "eguti-o-polesK9N1-1.dat" using 1:2 t "o-egutiK9N1", "sawa-o-polesK9N1-1.d

19572 set terminal tgif; set output "-e-K8N1.ob); replot; set terminal X11; replot

19573 set terminal tgif; set output "-e-K8N1.ob); replot; set terminal X11; replot

19573 set terminal tgif; set output "-o-K8N1.ob); replot; set terminal X11; replot

19573 set terminal tgif; set output "-o-K8N1.ob); replot; set terminal X11; replot

19573 set terminal tgif; set output "-o-K8N1.ob); replot; set terminal X11; replot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         19548 "eguti-e-polesK8N1-1.dat" using 1:2 t "e-egutiK8N1" w p 4, "sawa-e-polesK8N1-1.dat" using 1:2 t "e-sawaK8N1" w p 4, \
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19549 "gruti-o-poleskBNI-1.dat" using 1:2 t "o-egutikBNI" w p 5, "sawa-o-poleskBNI-1.dat" using 1:2 t "o-sawakBNI" w p 5, cos(t),sin(t) t "1.0" w l 1, 0.7*cos(t),0.7*sin(t) t "0.7" w l 1
19550 set terminal tgif; set output "_aiueo-kBNI.obj"; replot; set terminal X11; replot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19574 plot [0:2*pl][-2:2][-2:2] "eguti-a-polesK9N1-1.dat" using 1:2 t "a-egutik9N1" w p 1, "sawa-a-polesK9 N1-1.dat" using 1:2 t "a-sawaK9N1" w p 1, \ 19575 "eguti-i-polesK9N1-1.dat" using 1:2 t "i-egutiK9N1" w p 2, "sawa-i-polesK9N1-1.dat" using 1:2 t "i-s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             19578 "eguti-o-polesK9NI-1.dat" using 1:2 t "o-egutiK9NI" w p 5, "sawa-o-polesK9NI-1.dat" using 1:2 t "o-sawaK9NI" w p 5, cos(t),sin(t) t "1.0" w l 1, 0.7*cos(t),0.7*sin(t) t "0.7" w l 1
19579 set terminal tgif; set output "_aiueo-K9NI.obj"; replot; set terminal X11; replot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "eguti-u-polesK8N1-1.dat" using 1:2 t "u-egutiK8N1" w p 3, "sawa-u-polesK8N1-1.dat" using 1:2 t "u-s
                                                                                                                                                                                                                                                                                 set xtics (-2,-1,0,1,2); set ytics (-2,-1,0,1,2); set grid; set size square; set parametric; set poi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    set xtics (-2,-1,0,1,2); set ytics (-2,-1,0,1,2); set grid; set size square; set parametric; set poi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             当エン結果を眺めると、各母音毎に、特徴的な数個の極の付近に極が有るか無いかで認識できそう。
#ただし、従来のように分析次数k個のすべての極の距離を調べたらだめ 1?
for Fin a i ue o aineo ; do
Ebody=_s(F)-r8n1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    quit
#上の結果を眺めると、各母音毎に、特徴的な数個の極の付近に極が有るか無いかで認識できそう。
#ただし、従来のように分析次数x個のすべての極の距離を調べたらだめ 1?
#ただし、従来のように分析次数x個のすべての極の距離を調べたらだめ!?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   lpr ${fbody}.obj;
done
                                                                                                     tgif -print -eps ${fbody}.obj;
lpr ${fbody}.eps;
                                for F in a i u e o aiueo ; do fbody=_${F}-K9N1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ################
                                                                                                                                                                                                                                                    cd tmp; gnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cd tmp; gnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         awaK8N1" w p 3, \
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                awaK8N1" w p 2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 awaK9N1" w p 4,
                                                                                                                                                                                                                                                                                                                      ntsize 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ntsize 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19557
19558
19559
19560
                                                                                                                                                                                                                                                                                     19533
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            19547
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   19561
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

tgif -print -eps \${fbody}.obj
lpr \${fbody}.eps;

19589

for F in a i u e o aiueo ; do fbody= $_{\xi}F-\kappa$ N1;

```
19615 set terminal tgif; set output "e-equtiK9N32-34.obj"; replot; set terminal X11; replot
19616 plot [0:2*pl][-2:2][-2:2] "equti-o-polesK9N32-34.obj"; replot; set terminal X11; replot
19616 plot [0:2*pl][-2:2][-2:2] "equti-o-polesK9N32-34.obj"; replot; "o-equtiK9N32-34" w p p1, "equti-o-coplesK9N1-1.dat" using 1:2 t "o-equtiK9N1" w p p3
19617 set terminal toif; set output
                                                                                           p_{1121,p_2=5;p_3=8;set} pointsize 2 #for display p_{1121,p_2=5;p_3=10;set} pointsize 0.5 # for tgif #set xtics (-2,-1,0,1,2); set ytics (-2,-1,0,1,2); set grid; set size square; set parametric; set po
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19594 #F0"sawa-a-polesK9N32-34.dat"; F1="eguti-a-polesK9N1-1.dat"; F2="a-egutiK9N1"
19595 #plot [0:2*pil-2:2] F1 using 1:2 t "a-sawaK9N32-34" wp pl, F2 using 1:2 t "a-sawaK9N1" wp p
2, F3 using 1:2 t "a-egutiK9N1" wp p3, cos(t), sin(t) t " 1 1 1
19596 set xtics (-2,-1,0,1,2); set ytics (-2,-1,0,1,2); set gid; set size square; set parametric; set pol
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 19604 set terminal tgif; set output "_e-sawaK9N32-34.obj"; replot; set terminal XII; replot
19605 plot [0:3*pi][-2:2][-2:2] "sawa-o-polesK9N32-34.dat" using 1:2 t "o-sawaK8N32-34" w p pi, "eguti-o-p
058SNN1-1.dat" using 1:2 t "o-sawaK9N1" w p p2, "sawa-o-polesK9N1-1.dat" using 1:2 t "o-egutiK9N1" w p p3,
008(t),sin(t) t "" w 1 1
19606 set terminal tgif; set output "_o-sawaK9N32-34.obj"; replot; set terminal XII; replot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19611 set terminal tgif; set output "_i-egutiK9N32-34.obj"; replot; set terminal X11; replot
19612 je612 plot (0.2*pl][-2:2] "eguti-u-polesK8N32-34.obj"; replot; u-egutiK9N32-34" wp pl, "eguti-u-polesK8N1-1.off u-egutiK9N1" wp pl, "sawa-u-polesK8N1-1.off u-egutiK9N1" wp pl, "sawa-u-polesK8N1-1.off u-egutiK9N1" wp pl, "sawa-u-polesK8N1-1.off u-egutiK9N1" wp pl, "saya u-polesK8N1-1.off u-egutiK9N1" wp pl, "saya u-polesK8N1-1.off u-egutiK9N32-34.obj"; replot; set terminal X11; replot
19614 plot [0:2*pl][-2:2] "eguti-e-polesK9N32-34.obt" using 1:2 t "e-egutiK9N32-34" wp pl, "eguti-e-polesK9N32-34.obt" u-e-egutiK9N32-34" wp pl, "e-egutiK9N32-34" u-e-egutiK9N32-34" wp pl, "e-egutiK9N32-34" u-e-egutiK9N32-34" u-e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -polesK9N1-1.dat" using 1:2 t "e-sawaK9N1" w p p2, "sawa-e-polesK9N1-1.dat" using 1:2 t "e-equtiK9N32-34" w p p1, "equti-e-cost). Samily t " w 1 1 1 2 c "e-equtiK9N1" w p p3 ("equti-e-cost). Samily t " w 1 1 1 1 19615 set terminal tgif; set output "e-equtiK9N32-34.obj"; replot; set terminal tgif; set output "e-equtiK9N32-34.obj"; replot [0:2*p1][-2:2][-2:2] "equti-o-polesK9N32-34.obj"; replot "e-eminal tgif; set output "e-equtiK9N32-34.obj"; replot "e-eminal tgif; set output "e-equtiK9N32-34.obj"; replot [0:2*p1][-2:2][-2:2][-2:2] "equti-o-polesK9N32-34.obj"; replot "e-eminal tgif; replot "e-eminal tgif; set output "e-equtiK9N32-34.obj"; replot "e-eminal tgif; replot "e-eminal tgi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19635 set terminal tgif; set output "_a-x9N32-34-eguti.obj"; replot; set terminal X11; replot
19636 plot [0:2*pi][-2:2][-2:2] "eguti-1-polesKNN32-34.dat" using 1:2 t "a-egutiKNN32-34", "sawa-1-polesKN NN32-34.dat" using 1:2, "sawa-1-polesKNN1-1.dat" using 1:2, cos(t),sin(t)
1 t " w 1 1 inig 1:2, "eguti-1-polesKNN1-1.dat" using 1:2, "sawa-1-polesKNN1-1.dat" using 1:2, cos(t),sin(t)
19639 plot (corrental tgif; set output "_i-X9N3-2-34.obj.replot; set terminal X1; replot
19638 plot [0:2*pi][-2:2][-2:2] "eguti-u-polesKNN3-34.dat" using 1:2 t "a-egutiKNN3-34," "sawa-u-polesK9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   19608 plot [0:2*pl][-2:2][-2:2] "eguti-a-polesK9N32-34.dat" using 1:2 t "a-egutiK9N32-34" w p pl, "eguti-a-polesK9N1-1.dat" using 1:2 t "a-egutiK9N1" w p ps, "sawa-a-polesK9N1-1.dat" using 1:2 t "a-egutiK9N1" w p ps, cs(t),sin(t) t "" w l l i at output "_a-egutiK9N32-34.obj"; replot; set terminal X11; replot 19609 set terminal tgif; set output "_a-egutiK9N32-34.obj"; replot; set terminal X11; replot 19610 plot [0:2*pl][-2:2][-2:2] "eguti-i-polesK9N3-34.dat" using 1:2 t "i-egutiK9N32-34" w p pl, "eguti-i-polesK9N1-1.dat" using 1:2 t "i-egutiK9N1" w p ps, "sawa-i-polesK9N1-1.dat" using 1:2 t "i-egutiK9N1" w p ps, cos(t),sin(t) t "" w l l l
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           set size square; set parametric
plot [0:2*pi][-2:2][-2:2] "eguti-a-polesK9N32-34.dat" using 1:2 t "a-egutiK9N32-34", "sawa-a-polesK9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INSIZE 0.79

INSIZE 0.70

INSIZ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   N32-34.dat" using 1:2, "eguti-a-polesK9N1-1.dat" using 1:2, "sawa-a-polesK9N1-1.dat" using 1:2, ) t "" w 1 1 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        tgif -print -eps ${fbody}.obj
lpr ${fbody}.eps
done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #for name in sawa eguti ; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   fbody=_${F}-${name}K9N32-34;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       neo; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                for name in sawa ; do
for Fina i u e o ; d
                                  gnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                 intsize 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ntsize 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           19633
19634
19590
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             19620
19621
19622
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           19625
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           19626
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         19628
19629
19630
19631
                                                                                                                                                                                                                         19592
                                                                                                                                                                                                                                                                                                                     19593
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   19623
```

```
dname=${name}-${onsei}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  bestmsp.net
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                done
####
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     $ { bM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.2
                                                                                                                                                                                                                       19699
19699
19700
19701
19704
19705
19706
19709
19709
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            19711
19712
19713
19714
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19718
19719
19720
19721
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         19724
19725
19726
19727
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           19731
19732
19733
19734
19735
19735
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              197338
197439
197441
197444
197446
197446
19746
19748
19759
19759
19759
19759
19759
19759
19759
19759
19759
19759
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19729
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19716
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19717
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          19723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  19730
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         19771
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19672 set size square; set parametric
19673 splot [-2:2][-2:2] "aawa-a-polesK9N32-34.dat" using 1:2:5 w boxes, "eguti-a-polesK9N1-1.dat" using 1:2:5 w boxes, "sax-a-polesK9N1-1.dat" using 1:2:5 w boxes, "sax-a-polesK9N1-34.dat" using 1:2:5 w boxes, "sax-a-polesK9N1-34.dat" using 1:2:5 w boxes, "sax-a-polesK9N1-1.dat" using 1:2:5 w boxes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19649 plot (0:*pll(-2:3]" sawa-a-polesK9N32-34.dat" using 1:2, "sawa-a-polesK9N32-34.dat" using 1:2 cos(t).sin(t), "sawa-a-polesK9N12-34.dat" using 1:2.]" sawa-a-polesK9N12-34.dat" using 1:2.]" sawa-a-polesK9N12-34-aaw.obj"; replot; set terminal tgif; set output "a-kN032-34-aaw.obj"; replot; set terminal tgif; set output "a-kN032-34-aaw.obj"; replot; set terminal tgif; set output "i.s. sawa-i-polesK9N12-34.dat" using 1:2 cos(t).sin(t), "sawa-i-polesK9N12-34-aaw.obj"; replot; set terminal tgif; set output "i.k9N32-34-aaw.obj"; replot; set terminal tgif; set output "i.k9N32-34-aaw.obj"; replot; set terminal tgif; set output "i.k9N32-34-aaw.obj"; replot; set terminal tgif; set output "u.k9N32-34-aaw.obj"; replot; set terminal tgif; set output "e-k9N32-34-aaw.obj"; replot; set te
                                                                           19663 set size square; set parametric 19664 plot (0:2*pl] (2*pl] (2*pl] (2*pl] (1:2*pl) (2*pl] (2*pl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19666 plot [0:2*pi][-2:2][-2:2] "sawa-a-polesK9N32-34.dat" using 1:2 w p 2 2, "sawa-i-polesK9N32-34.dat" u sing 1:2 w p 2 2, "sawa-e-polesK8N32-34.dat" using 1:2 w p 2 2, "sawa-e-polesK8N32-34.dat" using 1:2 w p 2 2, "sawa-e-polesK9N32-34.dat" using 1:2 w p 1 1, "eguti-i-polesK8N32-34.dat" using 1:2 w p 1 1, "eguti-u-polesK8N32-34.dat" using 1:2 w p 1 1, "eguti-e-polesK8N32-34.dat" using 1:2 w p 1 1, "eguti-e-polesK9N32-34.dat" using 1:2 w p 1 1 | "eguti-e-polesK9N32-34.dat" using 1:2 w p 1 | "e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cos(t), sin(
N32-34.dat" using 1:2, "eguti-u-polesK9N1-1.dat" using 1:2, "sawa-u-polesK9N1-1.dat" using 1:2, ) t "" w 1 1 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 19643 set terminal tgif; set output "_o-K9N32-34-eguti.obj"; replot; set terminal X11; replot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #export K=12 T=100 g=56-3 t1=2000 t2=2200 method=mspE pM=pMm export K=9 T=100 g=56-3 t1=2000 t2=2200 method=mspE pM=pMm for name in eguti sawa ; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             051218
(1) 音 (a.1, u.e, o) の 極
・ 音 海 (声 # ) の 極 p. s (ビッチ 周 波 数 )
・ 調 音 (articulation) の 極 p.a
ー 数 に p.a < p.e
(2) 伝 数 の 極を表 かる (次 の URLO GSLの 多 項 式 の 解 法 リ y ま る )。
http://www.gnu.org/software/gsl/mannal/gsl-ref_6.html#SEC52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                for onsei in a i u e o; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           19662 #以下で話者認識?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #####
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19682
19683
19684
19685
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           19669
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19679
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

```
#Ttrain,Ttotal: points in time of training and total data #YOmin yOmax ylmin ylmax for normalization
                                                                                                                                                                                                                                                                                               cat > param.dat << EOF
0 #0:timeseries,1:chaos prepare_data() in my_function.c</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ${g} 0.7 #1=0.conline,i=1:batch, gamma0, entropy_thresh ${T}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ---;9.9825106+02 NMSE---;9.871970e-01eguti-a K=12
---;1.119767e+03 NMSE---;4.28275e-01eguti-i K=12
---;3.220792e+03 NMSE---;9.631524e-01eguti-u K=12
---;1.097598e+03 NMSE---;9.389359e-01eguti-c K=12
---;1.350245e+03 NMSE---;8.983787e-01eguti-c K=12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     echo "----the above are in param.dat---" echo "----Bexecuting can2 for dhame=\{dhame}, N=\{N\}." #can2 sparam.dat > /dev/null
dh_timeseries= 'data/${dname}.dat
#dh_regression=./tmp/${dname}-fa.dat
if [${k} -eq 9]; then N2=32; else N2=50; fi
for N in 1 ${m}; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              can2 cparam.dat.
can2 param.dat.
can2 param.dat.
can2 file between the file construction of predict.dat %[predfile con tump/poles.dat %[file]
cp predict.dat %[pride] cp tump/poles.dat %[file]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     --the following are param.dat---"
                                                                                                                                                        pfile=tmp/${dname}-polesK${K}N${N}.dat
pfile2=tmp/${dname}-polesZK${K}N${N}.dat
                                                                                                                                                                                                                 if [ -e ${pfile} ] ; then
echo ${pfile} exists. Omit calculation.
                                                                                                                                                                                                                                                                                                                                                                                                                                   #n_cells storing vectors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                echo "Executing can2 for N=\$\{N\}" echo "---the following are para
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               window width
                                                                                                                                        predfile=tmp/predictN${N}.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #v_thresh v_min
                                                                                                                    file=tmp/bestmspN${N}.net
                                                                                                                                                                                                                                                                                                                                 ${K} 0 #channels
${dn_timeseries}
${t1} ${t2} #Tt
0 0 0 0 #Yomin
                                                                           #for N in 1 32 ; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                          #n_compare
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #v_ratio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #display
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cat param.dat
```

```
43:4, "es
"eguti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19821 set size square; set parametric
19822 plot [0:2*pi][-2:21] "eguti-a-polesZK1ZN50.dat" using 1:2, "eguti-a-polesZK1ZN50.dat" using 3:4
, "eguti-a-polesZK1ZN50.dat" using 5:6, "eguti-a-polesZK1ZN50.dat" using 7:8, "eguti-a-polesZK1ZN50.dat" using 9:10, "eguti-a-polesZK1ZN50.dat" using 11:12, "eguti-a-polesZK1ZN50.dat" using 13:14, "eguti-a-polesZK1ZN50.dat" using 13:14, "eguti-a-polesZK1ZN50.dat" using 13:16, "eguti-a-polesZK1ZN50.dat" using 19:20, "eguti-19082XLZN50.dat" using 19:20, "eguti-19823
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19814 set size square; set parametric
19815 plot [0:2*pil[-2:2]|-22]" equti-a-polesZK9N32.dat" using 1:2, "equti-a-polesZK9N32.dat" using 9:4,
"equti-a-polesZK9N32.dat" using 5:6, "equti-a-polesZK9N32.dat" using 7:8, "equti-a-polesZK9N32.dat" using 9:
10, "equti-a-polesZK9N32.dat" using 11:12, "equti-a-polesZK9N32.dat" using 13:14, "equti-a-polesZK9N32.dat"
using 15:16, "equti-a-polesZK9N32.dat" using 17:18, cos(t),sin(t), "equti-a-polesZK9N1.dat" using 1:2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           19818 plot [0:2*pil[-2:2][-2:2] "sawa-a-poles2K12N50.dat" using 1:2, "sawa-a-poles2K12N50.dat" using 3:4, "sawa-a-poles2K12N50.dat" using 5:6, "sawa-a-poles2K12N50.dat" using 7:8, "sawa-a-poles2K12N50.dat" using 9:10, "sawa-a-poles2K12N50.dat" using 13:14, "sawa-a-poles2K12N50.dat" using 13:14, "sawa-a-poles2K12N50.dat" using 13:14, "sawa-a-poles2K12N50.dat" using 15:16, "sawa-a-poles2K12N50.dat" using 19:18, "sawa-a-poles2K12N50.dat" using 19:20, "sawa-a-poles2K12N50.dat" using 21:22, "sawa-a-poles2K12N50.dat" using 23:24, cos(t),sin(t)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "sawa-a-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15:16,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                using 1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     using 1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          using 1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                using 1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           using 1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           using 1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                using 1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                using 3:
" using 9:10, ", ", using 15:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                using 1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      using 1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .dat "
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "sawa-a-polesK12N1.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "sawa-o-polesK12N1.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19824 plot [0:2*pi][-2:2][-2:2] "eguti-a-poles2N32.dat" using 1:2, "eguti-a-poles2N32.dat" ti-a-poles2N32.dat" using 1:2, "eguti-a-poles2N32.dat" using 1:2, "eguti-a-poles2N32.dat" using 7:8, "eguti-a-poles2N32.dat" using 1:12, "eguti-a-poles2N32.dat" using 1:14, "eguti-a-poles2N32.dat" using 13:14, "eguti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     - > eguti-a-polesN32+.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ,, "sawa-a-b~.
1:2 using 1:2
12, "sawa-i-polesKl2Nl.d"
---ing 1:2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                " using 1:2
" asawa-u-polesK12N1.d
" using 1:2
" sawa-e-polesK12N1.d
" using 1:2
" sawa-o-polesK12N1.d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "eguti-u-polesN1.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "eguti-u-polesN1.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "sawa-i-polesK12N1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "sawa-e-polesK12N1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "sawa-u-polesK12N1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19799 set size square; set parametric
19790 plot [0.2*pi][-2.2][-2.2] "eguti-a-polesKIZNI.dat" using 1:2,
15.sin(t), "eguti-a-polesKONI.dat" using 1:2, "sawa-a-polesKSNI.dat" using 1:2,
15.sin(t), "eguti-i-polesKONI.dat" using 1:2, "sawa-i-polesKSNI.dat" using 1:2, "sawa-i-polesKSNI.dat" using 1:2, "sawa-i-polesKSNI.dat" using 1:2, "sawa-i-polesKSNI.dat" using 1:2, "sawa-i-polesKNI.dat" using 1:2, "sin(t), "eguti-u-polesKNI.dat" using 1:2, "sawa-u-polesKSNI.dat" using 1:2, "sin(t), "eguti-a-polesKNI.dat" using 1:2, "sawa-e-polesKNI.dat" using 1:2, "sawa-e-polesKNI.dat" using 1:2, "sawa-e-polesKNI.dat" using 1:2, "sawa-o-polesKNI.dat" using 1:2, "sawa-o
>>MSE---;1.13538e+03 NMSE---;1.122964e+00eguti-a K=12 N=50???
>>MSE---;7.135936e+01 NNSE---;2.69453e-02eguti-i K=12 N=50
>>MSE---;1.679292e+02 NNSE---;5.020893e-02eguti-u K=12 N=50
>>MSE---;6.611632e+02 NNSE---;5.655892e-01eguti-a K=12 N=50
>>MSE---;3.879216e+01 NNSE---;2.581017e-02eguti-o K=12 N=50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                using 1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           using 1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      splot [-2:2][-2:2] "eguti-a-polesN32.dat" using 1:2:5 w boxes
                                                                                                                                                                                                                                                                > MSE---:4,602902e+01 NMSE---:8,711829e-01sawa-a K=12 N=1

> MSE---:8,486471e+02 NMSE---:2,74753e-01sawa-i K=12 N=1

> MSE---:12,12612e+03 NMSE---:7,16687e-01sawa-u K=12 N=1

> MSE---:1,106139e+03 NMSE---:7,10687e-01sawa-u K=12 N=1

> MSE---:1,106139e+03 NMSE---:7,81439e-01sawa-u K=12 N=1

> MSE---:1,259704+00 NMSE--:9,300648e-02sawa-i K=12 N=5

> MSE---:2,2872742e+02 NMSE--:9,300648e-02sawa-u K=12 N=50

> MSE---:2,29572e+01 NMSE--:1,207436e-02sawa-u K=12 N=50

> MSE---:1,495416e+02 NMSE--:1.207436e-02sawa-u K=12 N=50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cat eguti-a-polesN32.dat | awk '{print $5, $1, $2}' | inscr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           using 1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      using 1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "eguti-a-polesK12N1.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           plot [0:2*pi][-2:2][-2:2] "eguti-e-polesK12N1.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "eguti-o-polesK12N1.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19810 plot [0:2*pi][-2:2][-2:2] "eguti-u-polesK12N1.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "eguti-i-polesK12N1.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           19827 plot [0:2*pi][-2:2][-2:2] "eguti-a-polesNl.dat" polesNl.dat" using 1:2, cos(t),sin(t)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      using 1:2, costt), sin(t) [0:2*pi][-2:2][-2:2] "eguti-a-polesNI.dat" using 1:2, cos(t), sin(t)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19817 set size square; set parametric
19818 plot [0:2*pi][-2:2][-2:2] "sawa-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     set size square; set parametric plot [0:2*pi][-2:2][-2:2] "egut:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (t),sin(t)
19809 plot [0:2*pi][-2:2][-2:2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (t),sin(t)
19812 plot [0:2*pi][-2:2][-2:2] '
(t),sin(t)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          set grid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           polesN1.dat" us.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                gnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                cd tmp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (t), sin(t)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (t), sin(t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19808
                                                                                                                                     19779
19780
19781
19782
19784
19786
19787
19789
19790
19791
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19793
19794
19795
19796
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          19797
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           19811
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19813
```

```
readmecan2mspeech.tx
Dec 05 2019 13:52:41
```

```
cos(t),
                                                                                                                                                                                                                                                         cos(t),
                                                                                                                                                                                                                                                                                                                                                           cos(t),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cos(t),si
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cos(t),si
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cos(t),si
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cos(t),si
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cos(t),si
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cos(t),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cos(t),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cos(t),
                                                                                                        cos(t)
                                                                                                                                                                                                          cos(t),
                                                                                                                                                                                                                                                                                                                                                                                                          cos(t),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cos(t),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1:2,
                                                                                                        1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           plot [0:2*pi][-2:2][-2:2] "eguti-o-polesN32.dat" using 1:2, "sawa-o-polesN32.dat" using 1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         using 1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        using 1:2,
                                                                                                        using
                                                                                                                                                                                                          using
                                                                                                                                                                                                                                                            using
                                                                                                                                                                                                                                                                                                                                                           using
                                                                                                                                                                                                                                                                                                                                                                                                             using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            using
19831 splot [-2:2][-2:2] "eguti-i-polesN32.dat" using 1:2:5 w boxes
19832 splot [-2:2][-2:2] "eguti-u-polesN32.dat" using 1:2:5 w boxes
19833 splot [-2:2][-2:2] "eguti-e-polesN32.dat" using 1:2:5 w boxes
19834 splot [-2:2][-2:2] "eguti-e-polesN32.dat" using 1:2:5 w boxes
19835 plot [0:2*pi][-2:2] "eguti-a-polesN32.dat" using 1:2, "eguti-a-polesN1.dat"
                                                                                                                                                                                                                                                                                                                                                         "eguti-e-polesN1.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "sawa-a-polesN32.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "sawa-e-polesN32.dat"
                                                                                                                                                                                                          "eguti-a-polesN1.dat"
                                                                                                                                                                                                                                                         "eguti-i-polesN1.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "sawa-i-polesN32.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "sawa-u-polesN32.dat"
                                                                                                                                                                                                                                                                                                       "eguti-u-polesN1.dat"
                                                                                                                                                                                                                                                                                                                                                                                                          "eguti-o-polesN1.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            .dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "sawa-e-polesN1.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "sawa-o-polesN1.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "sawa-i-polesN1.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "sawa-u-polesN1.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (1)予測ステップ数を増やすとmabB (多段予測結果をアンサンブル;下述)の方が安定?よい?
#########################Do below.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      dn_regression=./tmp/${dname}-fa.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   total data
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "sawa-a-polesN1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          using
using
using
using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               using
using
using
using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  using
using
using
using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      of training and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "eguti-a-polesNl.dat" u
"eguti-i-polesNl.dat" u
"eguti-u-polesNl.dat" u
"eguti-e-polesNl.dat" u
"eguti-o-polesNl.dat" u
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         , "sawa-a-polesNl.dat" u
, "sawa-i-polesNl.dat" u
, "sawa-u-polesNl.dat" u
, "sawa-e-polesNl.dat" u
, "sawa-o-polesNl.dat" u
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "sawa-a-polesNl.dat" u
"sawa-i-polesNl.dat" u
"sawa-u-polesNl.dat" u
"sawa-e-polesNl.dat" u
"sawa-e-polesNl.dat" u
                                                                                                                                                                                                        using 1:2,
                                                                                                                                                                                                                                                         using 1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "eguti-e-polesN32.dat" using 1:2,
                                                                                                                                                                                                                                                                                                       1:2,
                                                                                                                                                                                                                                                                                                                                                         using 1:2,
                                                                                                                                                                                                                                                                                                                                                                                                          using 1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            using 1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             plot [0:2*pi][-2:2][-2:2] "eguti-i-polesN32.dat" using 1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              plot [0:2*pi][-2:2][-2:2] "eguti-u-polesN32.dat" using 1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          using 1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "sawa-i-polesN32.dat" using 1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         using 1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        using 1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "sawa-o-polesN32.dat" using 1:2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #y0min y0max y1min y1max for normalization
                                                                                                                                                                                                                                                                                                          using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             19844 set size square; set parametric 19845 plot [0.27pi]-2.21 [-2.2] "aawa-a-polesN32.dat" usin n(t), "egutt-a-polesN1.dat" using 1.2 19846 plot [0.27pi][-2.2][-2.2] "sawa-i-polesN32.dat" usin n(t), "egutt-i-polesN1.dat" using 1.2 19847 plot [0.27pi][-2.2][-2.2] "sawa-u-polesN32.dat" usin n(t), "eguti-u-polesN1.dat" using 1.2 19847 plot [0.27pi][-2.2][-2.2] "sawa-e-polesN32.dat" usin n(t), "eguti-e-polesN1.dat" using 1.2 19849 plot [0.27pi][-2.2] "sawa-e-polesN32.dat" usin n(t), "eguti-e-polesN1.dat" using 1.2 19849 plot [0.27pi][-2.2][-2.2] "sawa-o-polesN32.dat" using 1.2 19849 plot [0.27pi][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2][-2.2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cat >param.dat << EOF #save parameters
0 #0:timeseries,1:chaos prepare_data() in</pre>
                                                                                                                                                                             set size square: set parametric
plot (0.2*pii| (-2.2)| -2.2) squti-a-polesN32.dat" "
sawa-a-polesN1.dat" using 1.2
plot (0.2*pii| (-2.2)| "eguti-i-polesN32.dat" "
sawa-i-polesN1.dat" using 1.2
plot (0.2*pii| (-2.2)| "eguti-u-polesN32.dat" "
plot (0.2*pii| (-2.2)| "eguti-u-polesN32.dat" ")
                                                                                                                                                                                                                                                                                                                              "sawa-u-polesN1.dat" using 1:2
plot [0:2*pi][-2:2][-2:2] "eguti-e-polesN32.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    set size square; set parametric
plot [0:2*pi][-2:2][-2:2] "eguti-a-polesN32.dat" -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ${K} 0 #channels
${dn_timeseries} #training file
${L1 ${t2} #tVain_train_troal: points in time
0 0 0 #yOmin yOmax yimin yimax for normal
                                                                                                                                                                                                                                                                                                                                                                                "sawa-e-polesN1.dat" using 1:2
plot [0:2*pi][-2:2][-2:2] "eguti-o-polesN32.dat"
"sawa-o-polesN1.dat" using 1:2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      export dhame=eguti-a K=9 T=100 g=5e=3
export dh.Lineseries=./data,5{dhame}.dat (export t1=2000 t2=2200 method=mspE
export t1=2000 t2=10000 method=mspE
export t1=2000 t2=10000 method=mspE
export N1=32 N2=5e nss=
export N1=32 N2=32 enss=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       using 3:4, "
using 3:4, "
using 3:4, "
using 3:4, "
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     set size square;
plot "equti-a-polesNI.dat" using 3:4,
plot "equti-1-polesNI.dat" using 3:4,
plot "equti-1-polesNI.dat" using 3:4,
plot "equti-e-polesNI.dat" using 3:4,
plot "equti-o-polesNI.dat" using 3:4,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            plot "sawa-a-polesN32.dat" using 3:4,
plot "sawa-i-polesN32.dat" using 3:4,
plot "sawa-u-polesN32.dat" using 3:4,
plot "sawa-e-polesN32.dat" using 3:4,
plot "sawa-o-polesN32.dat" using 3:4,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "eguti-o-polesN1.dat" using 1:2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             set size square;
plot "eguti-a-polesN32.dat" un
plot "eguti-1-polesN32.dat" un
plot "eguti-u-polesN32.dat" un
plot "eguti-e-polesN32.dat" un
plot "eguti-o-polesN32.dat" un
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            plot [0:2*pi][-2:2][-2:2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #################
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              square
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   051215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           set
                                                                                                                            sin(t),1
19836
                                                                                                                                                                                                                               sin(t),
19839
sin(t),
19840
sin(t),
19841
                                                                                                                                                                                                                                                                                                                                                                                sin(t),
19842
sin(t),
19843
19844
19845
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19852
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      sin(t)
19853
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sin(t)
19855
19856
19856
sin(t)
19859
19859
19860
19861
19865
19865
19865
19868
19868
19868
19868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19838
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    sin(t)
19854
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          19850
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 19851
```

op tmp/train+test.dat \${dn_regression} ###N1からN2までに対するcan2の実行

./can2 <param.dat >/dev/null

export N=\${N1} while [\${N} -le \${N2}]; do

file_tmp/bestmspNs{N].net predfile=tmp/predictNs{N}.dat if [-e sffile] i then echo sfile exists. Omit calculation.

(1.1時米列データに対してアンサンブル平均をとるルーチンを入れた。 (1.1時米列データに対してアンサンブル平均をとるルーチンを入れた。 ルーチンは exec_msp_Leet_ensemble() (in sim.c, mspp):各大デップでアンサンブルしながら多段予測 ルーチンは exec_msp_Lest_Dissemble() (in sim.c, mspp):多段予測群界をアンサンブル ボクルでmsped/Unspp(の)方が良い結果。理由は不明だがあまりよくない?にあるユニット数 NiC ついて 悪い結果が出たらmspEでも悪い対果になるが、mspedならそうならない可能性があるから)

export dname=eguti-a K=9 T=100 g=5e-3
export dn_timeseries=./data/\${dname}-fa.dat
export tl=2000 t2=2000 method=mspE
export tl=2000 t2=2000 method=mspE ####(1)

#Ttrain,Ttotal: points in time of training and total data #YOmin yOmax ylmin ylmax for normalization

#n_cells storing vectors

#v thresh v min

0.53

\$ {N}

19918

#n_compare

1 5e-3 0.7 #i=0:online,i=1:batch, gamma0, entropy_thresh

window width

#execute #v_ratio

#width

19920 19921 19922 19923

#iterations to execute

#display

100 EOF

19925 19928 19927

echo "Executing can2 for $N = \$\{N\}$ " echo "----the following are param.dat---"

cat param.dat

19929 19930 19931

echo

19932

can2 cparam.dat > /dev/null
cp bestmsp.net \${file}
cp predict.dat \${predfile} ---the above are in

export ens=\$ens" "\${file} ######アンサンブルの実行

 $N = \exp x \ $\{N\} + 1$

done

199934 199936 199937 199937 199940 199940 199948 199948 199948

#0:timeseries,1:chaos prepare_data() in my_function.c

cat > param.dat << EOF

else

1099103

{dn_timeseries} {t1} \${t2} 0 0 0 #y0r

0 #channels

#0:timeseries,1:chaos prepare_data() in my_function.c cat >param.dat << EOF #save parameters #channels \${K} 0 **

93 \${dn_timese.}

\${t1} \${t2}

9 0 0 199994 199995 199999 199999 199999 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000

#Ttrain,Ttotal: points in time of training and total data $\mbox{\#y0min y0max y1min y1max for normalization}$

20009 ./can2 cparam.dat >/dev/null 20010 のtwp(traint-test.dat > {du_regression} 20011 ###が化能力のあるアンサンプルコニット数(11=N,1d=N)の推定 20012 ./ens2ge \${dn_regression} \${dn_regression} N:30-50:1 ib:0:0:0:2 M:1-20:1 k:\${K} g:\${g} T:\${T} >/dev/ 20013

#30: 5(N:30-34) Lhat=4.825e-04 Lvarmin 0=2.537e-01 Lvar0=2.537e-01 Lval=2.629464e+00**N:32-32 #30: 6(N:30-35) Lhat=4.825e-04 Lvarmin 1=2.537e-01 Lvar0=2.537e-01 Lval=2.629464e+00**N:32-33 #30: 7(N:30-35) Lhat=4.825e-04 Lvarmin 1=2.537e-01 Lvar0=2.537e-01 Lval=2.629464e+00**N:32-34 #30: 7(N:30-37) Lhat=4.825e-04 Lvarmin 2=2.537e-01 Lvar0=2.537e-01 Lval=2.629464e+00**N:32-34 #30: 8(N:30-37) Lhat=4.825e-04 Lvarmin 3=2.537e-01 Lvar0=2.537e-01 Lval=2.629464e+00**N:32-35 #30: 9(N:30-38) Lhat=4.825e-04 Lvarmin 4=2.537e-01 Lvar0=2.537e-01 Lval=2.629464e+00**N:32-35 20016 20017 20018

#Trzain, Ttotal: points in time of training and total data #yOmin yOmax ylmin ylmax for normalization

:{dn_timeseries} :{t1} \${t2} 0 0 0 #y0n

0 #channels

cat > param.dat << EOF 0 #0:timeseries,1:chaos prepare_data() in my_function.

11 NNSE----14, 2902639-02 11 NNSE---15, 29048278-02 11 NNSE---14, 1.881498-02 NNSE---14, 1.217008-01 11 NNSE---14, 3157808-02 12 NNSE---13, 341885-01 13 NNSE---14, 507458-02 32 N2=34 ens= #>>MSE---;4 333302e+01 NMSE---; 32 N2=34 ens= #>>MSE---;4 2043106+01 NMSE---; 40 N3=35 ens= #>>MSE---;1 2464710e+01 NMSE---; 40 N3=26 ens= #>>MSE---;1 245426+02 NMSE---; 32 N3=36 ens= #>>MSE---;4 347179e+01 NMSE---; 38 N2=39 ens= #>>MSE---;1 47779e+01 NMSE---; 38 N2=39 ens= #>>MSE---;1 356911+02 NMSE---; 32 N2=39 ens= #>>MSE---;1 45779e+01 NMSE---; export N1=32 N export N1=32 N export N1=32 N export N1=40 N export N1=32 N export N1=38 N export N1=38 N export N1=38 N #######

export dname=eguti-a K=9 T=100 g=5e-3 export dname=eguti-a K=9 T=100 g=5e-3 carport dn_timeseries=./data/\${dname}.dat dn_regression=./tmp/\${dname}-fa.dat cat >param.dat < cEOF #save parameters #0:timeseries.1:chaos prepare_data() in my_function.c \${K} 0 #channels ########

 $\dot{s}|\dot{dn}$ timeseries) #training file $\{t1\}$ $\{t2\}$ #Trrain, Ttotal: points in time of training and total data 0 0 0 0 $\pm y$ min y0max y1min y1max for normalization :an2 <param.dat >/dev/null
tmp/train+test.dat \${dn_regression} /can2 ď

###N1からN2までに対するcan2の実行 export N=\${N1}

#N1=32 N2=35 #N1=32 N2=39 #N1=32 N2=\$ {N1} #N1=33 N2=\$ {N1} #N1=34 N2=\$ {N1}

mspE>>MSE---;7.077720e+02 NMSE---;7.243027e-01 mspE>>MSE---;7.243027e-01 mspE>>MSE---;5.070467e-01 mspE>>MSE---;5.070467e-01 mspE>>MSE---;1.999912e+03 NMSE---;2.046622e+00 mspE>>MSE---;1.240705e+03 NMSE---;1.289638e+00 mspE>>MSE---;1.359446e+03 NMSE---;1.391197e+00

 $\begin{array}{l} \#N1=32 \ \ N2=\$\left\{ N1\right\} \\ \#N1=33 \ \ N2=\$\left\{ N1\right\} \\ \#N1=34 \ \ N2=\$\left\{ N1\right\} \\ \#N1=32 \ \ N2=32 \end{array}$

>>MSE---;2.015479e+02 NMSE---;1.900351e-01 >>MSE---;5.018860e+02 NMSE---;4.732172e-01 >>MSE---;2.584751e+02 NMSE---;6.691681e-01 >>MSE---;1.135236e+03 NMSE---;1.070388e+00

export t1=2000 t2=5000 method=mspE

export t1=2000 t2=3000 method=mspE

N2= % (N1) # N11 32 N2=50 # N11 32 N2=39 # N11 33 N2=39 # N11 33 N2=5 N3 # N1 34 N2=5 N3 # N1 34 N2=5 N3 # N1 35 N2=5 N3 # N1 37 N2=5 N3 # N1 38 N2=5 N3 # N1 38 N2=5 N3 # N1 38 N2=5 N3

1199953 1199955 1199955 1199955 1199960 1199960 1199960 1199960 1199960 1199960 1199960 1199960 1199960 1199960 1199960 119990

./can2 < param.dat

[method]

{ens}

19948 19949 19950 19951

```
#0:timeseries,1:chaos prepare_data() in my_function.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cp bestmsp.net ${file}
cp predict.dat ${predfile}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "${file}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cat > param.dat << EOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          'expr ${N} + 1'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        export ens=$ens"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #######
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20210
20211
20212
20213
20214
20215
20216
20216
20217
20218
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20122 (purp traintent-dat >/dev/null | 1.000.00.2 M:1-20:1 K:${K} g:${g} T:${T} >/dev/null | 1.000.2 M:1-20:2 M:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20137
20138 /ens2ge ${dn_regression} ${dn_regression} N:30-50:1 ib:0:0:0:1 M:1-50:1 k:${K} g:${g} T:${T} >/dev/
null #最適ユニット数條業
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             export dname=eguti-a K=9 T=100 g=56-3
export dn_Lineseries=./datds/${dname}-fa.dat
export dn_Lineseries=./datds/${dname}-fa.dat
cat >param dat << EOF #save parameters
cat >param far t< EOF #save parameters
#0:timeseries,1:chaos prepare_data() in my_function.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #Ttrain, Ttotal: points in time of training and total data #YOmin yOmax ylmin ylmax for normalization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #Ttrain,Ttotal: points in time of training and total data #YOmin yOmax ylmin ylmax for normalization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #Ttrain,Ttotal: points in time of training and total data #YOmin yOmax ylmin ylmax for normalization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cat > param.dat << EOF
0 #0:timeseries,1:chaos prepare_data() in my_function.c</pre>
                                                                                                                                                                                                                                                                                                                                                                                        #0:timeseries,1:chaos prepare_data() in my_function.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 5e-3 0.7 #i=0:online,i=1:batch, gamma0, entropy_thresh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #iterations to execute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #n_cells storing vectors
                                                                                    predfile=tmp/predictN{N}.dat
if [ -e ${file} ] ; then
echo $file exists. Omit calculation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          echo "Executing can2 for N=$\{N\}" can2 can2 can4, /dev/null
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 $\{ \text{K} \} 0 \\ \pi \\ \p
while [ ${N} -le ${N2} ] ; do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                window width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #v_thresh v_min
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    op bestmsp.net ${file}
op predict.dat ${predfile}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ######アンサンブルの実行
                                                        file=tmp/bestmspN${N}.net
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         export ens=$ens" "${file}
                                                                                                                                                                                                                                                                                                                                           cat > param.dat << EOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ./can2 < param.dat
###Do to here.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #n_compare
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         {dn_timeseries}
{t1} ${t2} #y0m
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      N='expr ${N} + 1'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #v_ratio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       [dn_timeseries]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #display
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #width
                                                                                                                                                                                                                                                                                                                                                                                                                                     0 #channels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0 #channels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               {t1} ${t2}
0 0 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ${ens}
${method}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ########
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      051208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           {N}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   done
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EOF
220064
220064
220065
220066
220066
220066
220067
22007
22007
22007
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
22009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
2009
```

Dec 05 2019 13:52:41

readmecan2mspeech.txt

./ens2

```
export dname=eguti-a dn_timeseries=./data/${dname}.dat dn_regression=./tmp/${dname}-fa.dat T=100 g=5
                                                                      2025 #70: /// 17.00 index-10.00 to limitation of the control of th
#25: 7(N:25-31) Lhat=7.483e-02 Lvarmin16=7.696e-30 Lvar0=7.696e-30 Lval=4.017811e+00**N:28-28 #70: 7(N:70-76) Lhat=1.350e-01 Lvarmin19=7.696e-30 Lvar0=7.696e-30 Lval=2.93359e+00**N:73-73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #Ttrain, Ttotal: points in time of training and total data #YOmin yOmax ylmin ylmax for normalization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #Ttrain, Ttotal: points in time of training and total data #YOmin yOmax ylmin ylmax for normalization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           can2 with N obtained above ./data/eguti-i.dat ###use N obtained above ./data/eguti-a.dat ###use N obtained above ./data/eguti-a.dat ###use N obtained above ./data/eguti-i.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2 ./data/eguti-a.dat N
2 ./data/eguti-i.dat N
1 ./data/eguti-u.dat N
2 ./data/eguti-e.dat N
3 ./data/eguti-o.dat N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #>>MSE---;8.482830e+01 NMSE---;8.88897e-02 ./data/eguti-a.dat 1
#>>MSE---;1.537026e+02 NMSE---;5.803887e-02 ./data/eguti-i.dat 1
#>>MSE---;1.19799e+02 NMSE---;1.411442e-01 ./data-eguti-u.dat 1
#>>MSE---;8.381262e+01 NMSE---;7.169715e-02 ./data/eguti-e.dat 1
#>>MSE---;1.172052e+01 NMSE---;7.798187e-03 ./data/eguti-o.dat 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #0:timeseries,1:chaos prepare_data() in my_function.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5e-3 0.7 #i=0:online,i=1:batch, gamma0, entropy_thresh 0 #iterations to execute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            gamma0, entropy_thresh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #0:timeseries,1:chaos prepare_data() in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #>>MSE---;1,676446e+02 NMSE---;1,657882e-01
#>>MSE---;3,79344e+01 NMSE---;6,647616e-02
#>>MSE---;1,664508e+02 NMSE---;6,28522e-02
#>>MSE---;4,772138e+02 NMSE---;1,427066e-01
#>>MSE---;3,314281e+01 NMSE---;2,835188e-02
#>>MSE---;1,383154e+01 NMSE---;2,02746e-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #iterations to execute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             manual
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              manual
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #n_cells storing vectors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 ${g} 0.7 #i=0:online,i=1:batch, ${T}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #n_cells storing vectors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cat << EOF ###save param.dat ###do the following command by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ###do the following command by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   window width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 window width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #n_compare
#v_thresh v_min
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #v_thresh v_min
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #channels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #n_compare
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /data/eguti-a.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #v_ratio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #v_ratio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #display
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ${dn_timeseries}
2000 2200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #display
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #channels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ###(4) do car
export N=37
export N=64
export N=32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   bestmsp.net
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     bestmsp.net
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         000 2200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 {K} 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0 0 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /can2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /can2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ####
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       e-3 K=9
                                                                                                                                                                                                               20298
20299
20300
20300
20301
20303
20304
20304
20305
20305
20309
20311
20311
20312
20313
20313
20313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20342
20343
20344
20345
20346
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20315
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20321
20322
20323
20324
20325
20325
20325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20329
20330
20331
20332
20333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20337
20338
20339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               203449
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
20349
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20335
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20348
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20317
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20328
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ###(1) set parameters
export dname=eguti-a dn_timeseries=./data/${dname}.dat K=9 dn_regression=./tmp/${dname}-fa.dat T=100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  echo op tmp/train+test.dat ${dn_regression} ###save the file for regression(function approximation) or tmp/train+test.dat ${dn_regression} ###save the file for regression(function approximation) ###(3) search optimal N by ens2ge for chekking generalization ability
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /ens2ge ${dn_regression} ${dn_regression} N:20-70:1 ib:0:0:0:1 M:1-1:1 k:${K} g:${g} T:${T} >/dev/n
ユニット数解解
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ##global min of Lvar with local min of Lhat (9neighbour of (11,1d) **Use this or the next)** for egu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    export dhame=eguti-i dn_timeseries=./data/${dhame}.dat K=9 dn_regression=./tmp/${dhame}-fa.dat T=100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               export dname=eguti-u dn_timeseries=./data/${dname}.dat K=9 dn_regression=./tmp/${dname}}-fa.dat T=100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g=5e-3
20250 ###(2) save a data file (tmp/train+test.dat) for regression(function approximation) from time series
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ##global min of Lvar with local min of Lhat (9neighbour of (11,1d) **Use this or the next)** for egu
                                                                                                                                                                                                                                                                                                                              20229 Grand Caram.dat
20229 Loran Cate
20229 Loran Cate
20220 #####Do to here.
20231 cat tmp/predictN32.dat |awk '{print $1}'>tmp.dat
20232 cat tmp/predictN32.dat |awk '{print $1}' |paste - tmp.dat >tmp.dat
20233 cat tmp/predictN34.dat |awk '{print $1}' | paste - tmp.dat >tmp.dat
20233 cat tmp/predictN32.dat |awk '{print $1}' | paste - tmp.dat >tmp.dat
20235 cat tmp.dat |awk '{print $1}' | paste - tmp.dat >tmp.dat
20235 pred2y_ts tmp.dat tmp.dat + tmp.dat |aws '{print $1}' | paste - tmp.dat
20235 pred2y_ts tmp.dat tmp.dat > /dev/nnll #WSE=8.882830e+01 (num=200)
20239 pred2y_ts tmp.dat tmp.dat > /dev/nnll #WSE=7.062676e+01 (num=200)
20239 pred3y_ts tmp.dat tmp.dat > /dev/nnll #WSE=7.062676e+01 (num=200)
20240 gnuplor
20241 set style data lines
20242 plot 'tmp!dat using 0:1, 'tmp2.dat' using 0:1, 'tmp3.dat' using 0:1, 'tmp4.dat' using 0:1, 'tmp4.dat' using 0:1, 'tmp3.dat' using 0:1, 'tmp4.dat' using 0:1, 'tmp4.da
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ##export dn_timeseries=./data/eguti-i.dat K=9 dn_regression=./tmp/eguti-i-reg.dat T=100 g=56=3 ???
##giobal min of Lvar with Local min of Lhat (9neighbour of [1,1d] **v9e this or the next)**
#36: 3(N:36-38) Lhat=2.1480=01 Lvarmin 4=9.6410=30 Lvar0=9.8410=-30 Lval=1.037180=011**N:37-37
#31: 3(N:31-33) Lhat=7.5470=02 Lvarmin 7=9.9390=30 Lvar0=1.0020=29 Lval=1.0734360=011**N:32-32
#32: 3(N:38-40) Lhat=9.1630=02 Lvarmin 8=1.0020=29 Lvar0=1.0020=29 Lval=1.0734360=011**N:39-39
#46: 3(N:20-22) Lhat=1.3550=00 Lvarmin11=1.0070=29 Lvar0=1.0020=29 Lval=3.9472950=00**N:47-47
-/ens2gg ${dn_regression} ${dn_regression} N:20-70: 1 ib:0:0:0:03 m:7-7: 1 k:${k} gs{g}{g} T:${k} f*{k} f*{k
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ti-u.dat
2026 #30: 3(N:30-32) Lhat=3.427e-02 Lvarmin 1=8.701e-30 Lvar0=8.701e-30 Lval=3.557289e+00**N:31-31
20270 #33: 3(N:39-41) Lhat=6.198e-02 Lvarmin 5=9.628e-30 Lvar0=9.628e-30 Lval=3.148397e+00**N:40-40
20271 #33: 3(N:33-35) Lhat=3.882e-02 Lvarmin 9=1.019e-29 Lvar0=1.019e-29 Lval=3.312254e+00**N:34-34
20272 #57: 3(N:57-59) Lhat=2.821e-02 Lvarmin15=1.058e-29 Lvar0=1.058e-29 Lval=2.847208e+00**N:24-24
20273 #31: 3(N:57-59) Lhat=5.130e-02 Lvarmin15=1.054e-29 Lvar0=1.074e-29 Lval=2.759120e+00**N:24-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               training and total data
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #Ttrain,Ttotal: points in time of training and total data
#y0min y0max y1min y1max for normalization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cat >param.dat << EOF ###save parameters
0 #0:timeseries,1:chaos prepare_data() in my_function.c</pre>
                                                                                     #Ttrain,Ttotal: points in time of trainin #y0min y0max y1min y1max for normalization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ${dn_timeseries} #training file
2000 2200
#Ttrain,Ttotal: ]
0 0 0 0 #yOmin yOmax ylmin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   result-ensrs2ge/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ${K} 0 #channels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ./can2 <param.dat
                                        ${dn_timeseries}
2000 2200
0 #channels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #######
                                                                                                                                   0 0 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        rm -rf
                                                                                                                                                                                                                    $ {ens}
                                                                                                                                                                                                                                                                      mspe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20266 rm -20267 ./en
ull #最適二二
20268 ##gl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20274
20275 ##
20275 ##
20276 #
20277 ##
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g=5e-3
20248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g=5e-3
20249 (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20253
20254
20255
20255
20256
20257
20259
20260
20261
20261
20262
20263
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20246
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20279
20280
```

N=32 N=32 N=32 N=32 N=32 N=32

N=64 N=37 N=37 N=37 N=37 N=37

```
#show training data show_data_parms(train);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #show network params
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #execute
.000000e-04 7.000000e-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #v_thresh v_min
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #iterations to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #v_ratio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #display
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #no
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         bestmsp.net
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             gp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20516
20517
20518
20519
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20524
20525
20525
20526
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20522
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20523
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20422 (v. 3/w./v-/z) indat=3.013e-02 Lvarmin14=1.30Ue-29 Lvarl=3.104889e+00**N712-71
20430 57: 3(N:57-59) Lhat=1.016e-02 Lvarmin18=1.311e-29 Lvarl=1.311e-29 Lval=3.604134e+00**N712-71
20430 57: 3(N:57-59) Lhat=1.016e-02 Lvarmin18=1.311e-29 Lvarl=3.604134e+00**N758-58
20432 ##20bal min of Lvar with local min of Lhat (9neighbour of (111 d) **Use this or the next)**
20433 57: 5(N:70-74) Lhat=8.46e-02 Lvarmin 1=3.438e-29 Lvarl=3.734040e+00**N75-75
20434 70: 5(N:70-74) Lhat=3.280e-02 Lvarmin 5=3.576e-29 Lvarl=3.294625e+00**N75-75
20435 57: 5(N:70-74) Lhat=3.49.16e-02 Lvarmin 5=3.504e-29 Lvarl=3.594824e+00**N75-75
20436 70: 5(N:70-74) Lhat=3.49.16e-02 Lvarmin 1=3.5044e-29 Lval=4.04224e+00**N75-75
20436 70: 5(N:70-74) Lhat=3.938e-02 Lvarmin12=3.670e-29 Lvarl=3.705e-29 Lval=4.04224e+00**N75-59
20436 70: 5(N:70-74) Lhat=3.938e-02 Lvarmin12=3.670e-29 Lvarl=3.670e-29 Lval=4.064224e+00**N75-59
20436 70: 5(N:70-74) Lhat=3.938e-02 Lvarmin12=3.670e-29 Lvarl=3.464656+00**N75-59
20436 88: 5(N:62-66) Lhat=4.049e-02 Lvarmin12=3.670e-29 Lvarl=3.464656+00**N75-59
20437 62: 5(N:62-66) Lhat=4.049e-02 Lvarmin12=3.705e-29 Lvarl=3.464656+00**N75-40
20439 ##310bal min of Lvar with local min of Lhat (9neighbour of (11.1d) **Use this or the next)**
20440 ##310bal min of Lvar with local min of Lhat (9neighbour of (11.1d) **Use this or the next)**
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #最適
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #最適
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ./train+test.dat N:1-70:1 m:3-3:1 ib:0:0:0:1 k:9 g:5e-4 T:10 >/dev/null
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A.M.A. 378(18-56-51) Lhat=1.6737e-02 Luxarin of Lhat (9neighbour of (11.1d) **Use this or the next).**
68: 31(18:56-51) Lhat=1.737e-02 Luxarin 0=1.198e-29 Luxal=29.10xal=3.464665en00**N164-64
68: 31(18:66-70) Lhat=1.730e-02 Luxarin 0=1.198e-29 Luxar0=1.374e-29 Luxal=3.32435e+00**N169-65
50: 31(18:50-52) Lhat=1.59e-02 Luxarin11=1.256e-29 Luxar0=1.306e-29 Luxal=3.304859e+00**N151-71
70: 31(17:07-2) Lhat=1.313e-02 Luxarin114=1.300e-29 Luxal=3.06423en00**N151-71
71: 31(18:75-59) Lhat=1.016e-02 Luxarin114=1.300e-29 Luxal=3.311e-29 Luxal=3.31434e+00**N159-58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ##global min of Lvar with local min of Lhat (9neighbour of (11,1d) **Use this or the next)**
18: 7(N:18-24) Inhares. 260e-02 Lvarmin 1=6.612-30 Lvar0=6.613-30 Lval=5.2984 #en0**N:21-21
68: 7(N:68-74) Inhares. 051e-02 Lvarmin 1=7.028e-30 Lvar0=7.028e-30 Lval=3.3046859e+00**N:71-71
44: 7(N:44-50) Lhates. 046e-02 Lvarmin14=7.046-30 Lvar0=7.074e-30 Lvar1=1.765152e+01**N:5-5
2: 7(N: 2-8) Lhate. 7.59e+00 Lvarmin15=7.740-70 Lvar0=7.420e-30 Lval=1.765152e+01**N:5-5
5: 7(N: 7-63) Lhate. 7.45e-02 Lvarmin15=7.73e-30 Lvar0=7.53e-30 Lval=1.55589e+00**N:60-60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ##global min of Lvar with local min of Lhat (9neighbour of (11.1d) **Use this or the next)**
1: 9(N: 1- 9) Lhat=4.057e+00 Lvarmin 8=2.691e-29 Lvar0=2.691e-29 Lval=3.594625e+01**N:72-75
68: 9(N:68-76) Lhat=6.504e-02 Lvarmin15=2.731e-29 Lvar0=2.731e-29 Lval=3.294625e+00**N:72-72
57: 9(N:57-65) Lhat=8.611e-02 Lvarmin72=2.802e-29 Lvar0=2.802e-29 Lvar1=3.544334e+00**N:61-61
38: 9(N:38-46) Lhat=1.168e-01 Lvarmin31=2.827e-29 Lvar0=2.827e-29 Lvar1=3.54537e+00**N:42-42
#Ttrain,Ttotal: points in time of training and total data #YOmin yOmax yImin ylmax for normalization
                                                                                                                                                                                                                                                                                                                    training and total data
                                                                                                                                                                                                            #0:timeseries,1:chaos prepare_data() in my_function.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #0:timeseries,1:chaos prepare_data() in my_function.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         gamma0=5e-4T:100N:52>MSE---;6.273830e+01 NMSE---;6.204357e-02 gamma0=2le-3T:100N:52>MSE---;6.28405e-01 NMSE---;5.38402e-02 admma0=1e-3T:100N:52>MSE---;4.155724e+01 NMSE---;4.109706e-02** gamma0=5le-3T:100N:52>MSE---;4.135724e+01 NMSE---;4.109706e-02** gamma0=5le-3T:100N:52>MSE---;4.713640e+01 NMSE---;4.70910e-02 admma0=5le-3T:10N:52>MSE---;8.570549e+01 NMSE---;8.475644e-02 gamma0=5le-3T:10N:52>MSE---;9.18060e+01 NMSE---;3.709179e-01 gamma0=5le-3T:10N:30>MSE---;3.74975e+02 NMSE---;3.708229e-01 gamma0=5le-3T:10N:30>MSE---;3.74975e+02 NMSE---;7.08229e-01 gamma0=5le-3T:50N:30>MSE---;3.74975e+02 NMSE---;7.08229e-01 gamma0=5le-3T:50N:30>MSE---;3.74975e+02 NMSE---;7.94873e-02 gamma0=5le-3T:50N:30>MSE---;3.74975e+02 NMSE---;7.94873e-02 gamma0=5le-3T:50N:30>MSE---;9.18060e+02 NMSE---;7.944973e-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5e-3 0.7 #1=0:online,i=1:batch, gamma0, entropy_thresh
                                                                                                                                                                                                                                                                                                            #Ttrain,Ttotal: points in time of trainii
#y0min y0max y1min y1max for normalization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cp tmp/train+test.dat ./train+test.
                                                                                                                                                                                                                                                                        ./data/eguti-a.dat #training file
2000 2200 #Ttrain,Ttotal: pc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ./data/eguti-a.dat #training file
                                                                                                                                                                                                                                                                                                                                                                                                                #n_cells storing vectors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         window width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #v thresh v min
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20399
20399
20399
20399
20401
20401
20401
20402
20402
20403
20403
20403
20404
20404
20404
20404
20404
20406
20406
20406
20406
20409
20409
20409
20409
20409
20409
20409
20409
20409
20409
20409
20409
20409
20409
20413
20413
20413
20413
20414
20413
20414
20415
20410
20413
20414
20417
20410
20419
20417
20419
20419
20419
20419
20419
20419
20419
20419
20419
20419
20419
20419
20419
20419
20419
20419
20419
20419
20419
20419
20419
20419
20419
20419
20419
20419
20419
20419
20419
20419
20419
20419
20419
20419
20419
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20429
20420
20429
20429
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420
20420

                                                                                                                                                                                                                                                                                                                                                                                                                                                        #n_compare
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #execute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #v_ratio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #display
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #width
                                                                                                                                                                                                                                            #channels
                                                                                                        ###########
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     bestmsp.net
                                                                                                                                                                                                                                                                                                                                                0 0 0
                                                                                                                                            051211
                                                                                                                                                                        ./can2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             007
                                                                                                                                                                                                                                                                                                                                                                            20385
20386
20387
20388
20389
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20390
20391
20392
20393
20394
20395
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20428
                                                                                                                                                                                                                                                                                                            20383
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20396
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20397
```

#<0:online,1:batch>, <gamma0>, <entropy_thresh>

window width

20452 44: 9(N:44-52) Lhat=7.393e-02 Lvarmin33=2.846e-29 Lvar0=2.846e-29 Lval=4.129611e+00**N:48-48	armin33=2.846e-29 Lvar0=2.846e-29 Lval=4.129611e+00**N:48-48
20453 ens2ge ./txain+test.dat ./txain+test.dat N:1-70:1 m:11. 適口ニット数探察	ens2ge ./txain+test.dat ./txain+test.dat N:1-70:1 m:11-11:1 ib:0:0:0:5 k:9 g:5e-4 T:10 >/dev/null #最 b 数探索
20454 ##global min of Lvar with local min of Lhat (9neighbou	##global min of Lvar with local min of Lhat (9neighbour of (11,1d) **Use this or the next)**
20455 42:11(N:42-52) Lhat=1.189e-01 Lvarmin 5=3.108e-29 Lvar	42:11(N:42-52) Lhat=1.189e-01 Lvarmin 5=3.108e-29 Lvar0=3.108e-29 Lval=4.128588e+00**N:47-47
20456 70:11(N:70-80) Lhat=7.130e-02 Lvarmin11=3.136e-29 Lvar	70:11(N:70-80) Lhat=7.130e-02 Lvarmin11=3.136e-29 Lvar0=3.136e-29 Lval=3.283933e+00**N:75-75
20457 37:11(N:37-47) Lhat=1.512e-01 Lvarmin17=3.187e-29 Lvar	37:11(N:37-47) Lhat=1.512e-01 Lvarmin17=3.187e-29 Lvar0=3.187e-29 Lval=4.354537e+00**N:42-42
20458 35:11(N:35-45) Lhat=1.496e-01 Lvarmin19=3.196e-29 Lvar	35:11(N:35-45) Lhat=1.496e-01 Lvarmin19=3.196e-29 Lvar0=3.196e-29 Lva1=4.365211e+00**N:40-40
20459 57:11(N:57-67) Lhat=1.034e-01 Lvarmin21=3.212e-29 Lvar	57:11(N:57-67) Lhat=1.034e-01 Lvarmin21=3.212e-29 Lvar0=3.212e-29 Lval=3.536903e+00**N:62-62
20460 ens2ge ./train+test.dat ./train+test.dat N:1-70:1 m:13	ens2ge ./train+test.dat ./train+test.dat N:1-70:1 m:13-13:1 ib:0:0:0:6 k:9 g:5e-4 T:10 >/dev/null #最
適ユニット数 探索	
20461 ##global min of Lvar with local min of Lhat (9neighbou	##global min of Lvar with local min of Lhat (9neighbour of (11,1d) **Use this or the next)**
20462 29:13(N:29-41) Lhat=1.951e-01 Lvarmin 2=9.655e-30 Lvar	29:13(N:29-41) Lhat=1.951e-01 Lvarmin
20463 36:13(N:36-48) Lhat=1.751e-01 Lvarmin12=1.007e-29 Lvar	36:13(N:36-48) Lhat=1.751e-01 Lvarmin12=1.007e-29 Lvar0=1.007e-29 Lval=4.354537e+00**N:42-42
20464 19:13(N:19-31) Lhat=4.637e-01 Lvarmin15=1.018e-29 Lvar	19:13(N:19-31) Lhat=4.637e-01 Lvarmin15=1.018e-29 Lvar0=1.018e-29 Lval=4.747027e+00**N:25-25
20465 68:13(N:68-80) Lhat=8.601e-02 Lvarmin22=1.037e-29 Lvar	68:13(N:68-80) Lhat=8.601e-02 Lvarmin22=1.037e-29 Lvar0=1.037e-29 Lval=3.306429e+00**N:74-74
20466 40:13(N:40-52) Lhat=1.495e-01 Lvarmin25=1.046e-29 Lvar	40:13(N:40-52) Lhat=1.495e-01 Lvarmin25=1.046e-29 Lvar0=1.046e-29 Lval=4.147976e+00**N:46-46
20467 ens2ge ./train+test.dat ./train+test.dat N:1-70:1 m:15	ens2ge ./train+test.dat ./train+test.dat N:1-70:1 m:15-15:1 ib:0:0:0:7 k:9 g:5e-4 T:10 >/dev/null #最
適ユニット数探索	
20468 ##global min of Lvar with local min of Lhat (9neighbou	##global min of Lvar with local min of Lhat (9neighbour of (11,1d) **Use this or the next)**
20469 57:15(N:57-71) Lhat=1.524e-01 Lvarmin 8=4.309e-30 Lvar	57:15(N:57-71) Lhat=1.524e-01 Lvarmin 8=4.309e-30 Lvar0=4.309e-30 Lval=3.464665e+00**N:64-64
20470 28:15(N:28-42) Lhat=2.262e-01 Lyarmin21=4.586e-30 Lyar0=4.586e-30 Lyal=4.431388e+00**N:35-35	armin21=4.586e-30 Lvar0=4.586e-30 Lval=4.431388e+00**N:35-35

```
make clean; make "GPLT=1" <-- 実行中に図を表示したいとき
                                                                                                                                                                                                                                                                                                                                                                                                                               #show training data show_data_parms(train);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #0:時系列,1:関数,3:ijcnn04,4:距離データ
次元 k1 k2
                                                                                                                                                                                                                                                                                                                                                                #n_compare
#v_thresh in [0,1], v_min, vmin2
#v_thresh in [0,1], for reinit
#v_atio Value Ratio for reinit
#width window width
                                                                                                                                                                                                                                                                                                                                                 #n_cells storing vectors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.2 width, gamma #window width
                                                                                                                                                                                                                                                                                                                                                                                                                                                            #show network params
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    n_compare
v_thresh vmin vmin2
              #execute
#i=0:online,i=1:batch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20 次元 kl k2
./data/CoordData_Cube2.dat
                                                                                                                                                                                                                                                                     #channels
                                                                                                                                                                    在までの実験結果と疑問点
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ネットの初期化
                                            #iterations to
                                                                                                                                                                                                                                                                                                  #number of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ens2ge train+test.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    v_ratio
                                                                                                                                                                                                                                                                                    ر
ا
ا
                                                           #display
                                                                                                                                                                                                                                                                                ./data/a3000.d
2001 2200 #n
0 0 0 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            rx=50;rz=300
                                                                                            bestmsp.net
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          bestmsp.net
                                                                                                                                                                                                                                                                                                                                                                              0.530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.240
                                                                                                                                                                                                                                                                   12 0 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              gnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               040519
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /can2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0dsw#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #ssp0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       dsu#
                                                                                                                                                                                                                                     can2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             gp
                                                                                                                                                                                                                                                                                                                                                                              20629
20630
20631
20632
20633
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20636
20637
20638
20639
20639
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20683
20684
20685
20686
                                                                        20610
                                                                                                                                                      20615
20616
20617
20618
20618
                                                                                                                                                                                                                                                  20621
20622
20623
20624
20625
20625
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20680
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20681
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20682
                                                                                                                                                                                                                                   20620
                                                                                                                                                                                                                                                                                                                                                                20628
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20635
                                                           20609
                                                                                                                                                                                                                                                                                                                                                 20627
                                              20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553
20553

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #Ttrain,Ttotal: points in time of training and total data
#YOmin yOmax ylmin ylmax for normalization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #show training data show_data_parms(train);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ./data/eguti-a.dat #training file
2000 2200 #Ttrain,Ttotal: pc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #n_cells storing vectors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    window width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #v_thresh v_min
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #show network params
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #n_compare
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #v_ratio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #channels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0 0 0
dsw
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      205992
205993
205994
205994
205999
205999
20601
20601
20601
20601
20601
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

ens2ge tmp/train+test.dat tmp/train+test.dat N:1-55:1 m:3-20:1 ib:0:0:0:0 k:9 w:0.4 >/dev/null using 1:2:3 w l train+test.dat N:1-20:1 m:3-20:1 ib:0:0:0:0 k:12 >/dev/null -100 400 -150 200 xomin,xomax,xlmin,xlmax (range for test) -1500 1500 -600 1600 145 1088 0 1 出力の正規化 ymin0 ymax0 → ymin1 ymax1 -1500 201 1 入力の正規化 xomin0 xomax0 → xomin xomax 0 0 1 入力の正規化 xomin0 xomax0 → xomin xomax 0 0 #r1 r2 = #training file training data get_data_parms in my_function.c #ymin0 ymax0 ymin ymax100 nomalization if ymin0==0 && ymax0==0. my_function.c set view rx,rz; splot [-100:400][-150:200] "./data/CoordData_Cube2.dat" pause 1; rz= rz>359 ? 0 : rz+20; set view rx,rz; replot #multi-step prediction of test data #multi-step prediction of training data #single-step prediction of training data dataconv1 ./data/CoordData_Cube.dat > ./data/CoordData_Cube2.dat #0:timeseries,1:chaos prepare_data() in 1 0.05 0.7 #<0:online,1:batch>, <gamma0>, <entropy_thresh> 100 i_times 学習回数 #show batch params gp

```
セル数
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 0.05 0.7
100
                                                                                                                                                                                                                                                                                                                                                                                                0 0 #rl r2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100 10 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.2 4 0
                                                                                                                                  ./can2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  040516
                                                                                                                                                                                                                                                                                                                                                                                                                                      in
500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ex
                                                                                            20068
200768
200768
200770
200771
200771
200773
200778
20078
20078
20078
20078
20078
20078
20078
20078
20078
20078
20078
20078
20078
20078
20078
20078
20078
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20833
20834
20835
20835
20836
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20806
                                                                                                   2009 set View XX, ZZZ splot [-100:400][-150:200] ", /data/coordData_Cubel.dat" uning 1:2:3 w 1, "/remult/propertyles_cubel.data training 1:2:3 t "y
2009 muses 1: x= x2399 0 : x=240; set view XX, xzz replot
2009 punes 1: x= x2399 0 : x=240; set view XX, xzz replot
2009 punes 1: x= x2399 0 : x=240; set view XX, xzz replot
2009 punes 1: x= x2399 0 : x=240; set view XX, xzz replot
2009 punes 1: x= x2399 0 : x=240; set view XX, xzz replot
2009 punes 1: x= x2399 0 : x=240; set view XX, xzz replot
2009 punes 1: x= x2399 0 : x=240; set view XX, xzz replot
2009 punes 1: x= x2399 0 : x=240; set view XX, xzz replot
2009 punes 1: x= x2399 0 : x=240; set view XX, xzz replot
2009 punes 1: x= x2399 0 : x=240; set view XX, xzz replot
2000 punes 1: x= x2399 0 : x=240; set view XX, xzz replot
2000 punes 1: x= x2399 0 : x=240; set view XX, xzz replot
2000 punes 1: x= x2399 0 : x=240; set view XX, xzz replot
2001 punes 1: x= x2399 0 : x=240; set view XX, xzz replot
2001 punes 1: x= x2399 0 : x=240; set view XX, xzz replot
2001 punes 1: x= x2399 0 : x=240; set view XX, xzz replot
2001 punes 1: x= x2399 0 : x=240; set view XX, xzz replot
2001 punes 1: x= x2399 0 : x=240; set view XX, xzz replot
2001 punes 1: x= x2399 0 : x=240; set view XX, xzz replot
2001 pune 1: x= x2399 0 : x=240; set view XX, xzz replot
2001 set view xX, xz replot
2002 set view xX, xz replot
2003 set view xX, xz replot
2003 set v
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20746 et view rx,rz; splot [-100:400][-150:200] "./data/CoordData_Cubel.dat" using 1:2:3 w 1, "result/PC ocxdData_Lube+tr1220*tr100*tr2+N500+NC6+vt0.2+vm4:0+vr5.0+v0.2+batch/funcSSP+t100-1.dat" using 1:2:3 t "y^" 20747 pause 1; rz= rz>359 ? 0 : rz+20; set view rx,rz; replot 20748 pause 1; rz= rz>359 ? 0 : rz+20; set view rx,rz; replot 20799 pause 1; rz= rz>359 ? 0 : rz+20; set view v.,rz; replot 20750 pause 1; rz= rz>359 ? 0 : rz+20; set view v.,rz; replot 20750 pause 1; rz= rz>359 ? 0 : rx-70; set view v.,rz; replot 20750 pause 1; rz= rz>359 ? 0 : rx-70; set view v.,rz; replot 20750 pause 1; rz= rz>359 ? 0 : rx-70; set view v.,rz; replot 20751 pause 1; rz= rz>359 ? 0 : rx-70; set view v.,rz; replot 20751 pause 1; rz= rz>359 ? 0 : rx-70; set view v.,rz; replot 20751 pause 1; rz= rz>359 ? 0 : rx-70; set view v.,rz; replot 20751 pause 1; rz= rz>359 ? 0 : rx-70; set view v.,rz; replot 20751 pause 1; rz= rz>359 ? 0 : rx-70; set view v.,rz; replot 20751 pause 1; rz= rz>359 ? 0 : rx-70; set view v.,rz; replot 20751 pause 1; rz= rz>359 ? 0 : rx-70; set view v.,rz; replot 20751 pause 1; rz= rz>359 ? 0 : rx-70; set view v.,rz; replot 20751 pause 1; rz= rz>359 ? 0 : rx-70; rz+70; rz+
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20755 plot [-0.2:1.2][-0.2:1.2] "./result/FCoordData_Cube+tr13206+T100+K2+N500+NC6+vt0.2+vm4:0+vr5.0+w0.2+
zorfshtet_w+t100.dat" using 1:2 t "w" w p
20756
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  using 1:2:3 w 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        make datasep2 ← JDmeasure.datを gunuplotと can2 で読み込み可能形式にする./datasep2 ./data/3Dmeasure.dat >./data/3Dmeasure1.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  set view rx,rz; splot [1.3:2.0][90:250] "./data/3Dmeasurel.dat"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             pause 1; rz= rz>359 ? 0 : rz+20; set view rx,rz; replot pause 1; rz= rz2359 ? 0 : rz+20; set view rx,rz; replot pause 1; rz= rz2359 ? 0 : rz+20; set view rx,rz; replot pause 1; rz= rz>359 ? 0 : rz+20; set view rx,rz; replot pause 1; rz= rz>359 ? 0 : rz+20; set view rx,rz; replot pause 1; rz= rz>359 ? 0 : rz+20; set view rx,rz; replot pause 1; rz= rz>359 ? 0 : rz+20; set view rx,rz; replot pause 1; rz= rz>359 ? 0 : rz+20; set view rx,rz; replot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (3) 以前、西田くんにもらった 3Dmeasure.dat を学習させてみた。
前処理:
   rot_z
       rot_x,
表示回数,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    rx=10;rz=0
100 50 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         gnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20752
```

Dec 05 2019 13:52:41 readmecan2mspeech.txt

```
20789 rx=10;rz=300
20790 set view xx,zz; splot [1.3:2.0][90:250] "./data/3Dmeasurel.dat" using 1:2:3 w l, "./result/F3Dmeas urel+tr2921+T100xt2xM500+NG6+vt0.2+vm4;0-vr5.0-wo.2+batch/funcSSP+t100-1.dat" using 1:2:3 t "y^" w l 20791 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20792 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20793 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20794 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20795 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20795 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20797 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20797 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20797 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20797 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20800 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20800 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20800 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20800 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20800 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20800 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20800 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20800 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20800 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20800 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20800 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20800 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20800 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20800 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20800 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20800 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20800 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20800 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20800 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz; replot 20800 pause 1; rz= rz>359 ? 0: rz+20; set view rx,zz
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20804 plot [-0.2:1.2][-0.2:1.2] "./result/F3Dmeasurel+tr25921+T100+K2+N500+NC6+vt0.2+vm4:0+vr5.0+w0.2+batc 20805
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    splot [1.3.2.2][100:250] "3Dmeasure.dat" using 2:3:1 w 1 make datasep (datasep.c ← gnuplot用に1水平スキャンデータ毎に改行) -, datasep ,/data/Coordbata_Cube.dat >./data/Coordbata_Cube1.dat gnuplot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ###ol:online,1:batch>, <gamma0>, <entropy_thresh>
i_times 学習回数
表示回数,rot_x,rot_z
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       コンパイル
make clean; make "GPLT=1" <-- 実行中に図を表示したいとき、
make clean; make "GPLT=0" <-- 実行中に図を表示したくないとき
実行
                                                                                                                                              set view rx,rz; r set view rx,rz; r set view rx,rz; r

    (1) 入力変数の正規化アルゴリズムを修正した。
各変数、x0,x1 について正規化するようにした。
(以前は全変数のminとmaxを使っていた)
    (2) データ表示

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.2 width,gamma #window width ex 集行
                                rz+20;
rz+20;
       rz+20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    vmin2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               n_compare
v_thresh vmin vmin2
   .. .. ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       n_compare
v_thresh vmin
                                                                                                                                                                                                                                                                                                                                                                                                         ネットの初期化
セル数
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ネットの初期化
pause 1; rz= rz>359 ?
pause 1; rz= rz>359 ?
pause 1; rz= rz>359 ?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         v_ratio
```

Page 317

			<entropy_thresh></entropy_thresh>								entropy_thresh>				Data		or test) -1500 1500 -600 1600 ax					<entropy_thresh></entropy_thresh>				Data		or test) -1500 1500 -600 1600	II Y LIIGA. Xmax						<entropy_thresh></entropy_thresh>		rmk ./result/FCoordData_Cube+tr160801+T10+K2+N100+NC6+vt0.2+vm3:0+vr5.0+w0.2+batch; gnuplot funcSSP+t	
1D イントン が あた しょう かっこう かっこう かっこう かっこう かっこう かっこう かっこう かっこ	500 C. N. Compare 6 n. Compare 0.2 3 0 v_thresh vmin vmin2	.2 width,gamma #window width 《集行	1 0.05 0.80 #<0:online,1:batch>, <gamma0>, <e 10 i_times 学習回数 10 表示回数</e </gamma0>	qu / and	., Canz #0:時系列,1:関数,	./data/CoordData_Cube.dat	/datta/ranget.est25.dat 0 0 0 0 正規化パラメタ y0min y0max y1min y1max in ネットの初期化	500 七/数	.230 v_	5 v_ratio 0.2 width,gamma #window width	0.05	10 i_times 学習回数 10 表示回数	nb	./can2	4 #0:時系列,1:関数,3:ijcnn04,4:RangeData	a/Coc	-200 200 -500 500 xmin,xmax,ymin,ymax (range for 0 0 0 0 正規化パラメタ yOmin yOmax ylmin ylmax	in ネットの初期化		0.2 3 0 v_thresh vmin vmin2 5 v ratio	.2 width,	0.05 0.80 #<0:online,1:batch>, <gamma0>,</gamma0>	10 i_times 字習回数 10 表示回数	nb			2 0 次元 ./data/CoordData Cube.dat	-200 200 -500 500 xmin,xmax,ymin,ymax (range for test) 145 1088 0 1 正担化パラオタ かんmin かんmax いっぱい いんmax	1122 1432 0 1 正規化パラメタ xmin0 xmax0 xmin: -1122 1432 0 1 正規化パラメタ xmin0 xmax0 xmin:	0 0 #r1 r2 in ネットの初期化		6 n_compare 0.2 3 0 v_thresh vmin vmin2	5 v_ratio 0.2 width,gamma #window width	実行	1 0.05 0.80 #<0:online,L:batch>, <gamma0>, <e #="</td" 10="" i_times="" in="" 学習回数=""><td></td><td><pre>kterm& cd ./result/FCoordData_Cube+tr160801+T10+K2+N10</pre></td><td></td></e></gamma0>		<pre>kterm& cd ./result/FCoordData_Cube+tr160801+T10+K2+N10</pre>	
20923	20925	20928 20928 20929	20930 20931 20932	20933	20936	20938	20939 20940 20941	20942	20943	20945	20947	20949	20951	20952	20954	20956	20957	20959	20961	20962	20964	20966	20967	20969	20971	20973	20974	20976	20978	20979	20981	20982	20984	20986	20987	20990	20991	20993 20993

```
21165
21166
21167
                                                                                                                                                                                                                        040510f02.log 040510f030.log 040510f110.log 040510f03.log 040510f11.log
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         >>96test2.8420e-05, 98train6.1535e-05NIO0k2w0.1vm3:0 2m54.290s >>99test1.4672e-05, 97train4.5205e-05NZ00k2w0.1vm3:0 5m35.510s >>96test7.60379e-06, 97train3.8442e-05N300k2w0.1vm3:0 8m16.360s >>96test7.60379e-06, 99train3.658e-05N300k2w0.1vm3:0 10n56.150s >>99test5.1274e-06, 96train3.5157e-05N500k2w0.1vm3:0 13m37.050s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         >> 41test4.6537e-04,100train1.0572e-04N100k2w0.1vm3:0 0m16.000s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               >>96test8.4962e-05, 85train9.6303e-05NIO0k2w0.1vm3:0 0m17.610s
>>72test4.0073e-05, 96train4.5509e-05NIO0k2w0.1vm3:0 0m37.300s
>>20test3.4081e-05, 99train3.7600e-05NIO0k2w0.1vm3:0 0m55.300s
>>20test3.7368e-05, 15train3.7836e-05NIO0k2w0.1vm3:0 0m55.300s
>>50test5.7088e-05, 15train3.7836e-05NIO0k2w0.1vm3:0 1m29.770s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            >>65test6.6669e-05,100train7.6892e-05NIO0k2w0.1vm3:0 0m33.370s
>>95test2.4903e-05, 92train4.5406e-05N300k2w0.1vm3:0 1m11.220s
>>22test1.9685e-05, 98train3.9723e-05N300k2w0.1vm3:0 1m45.030s
>>55test1.9685e-05,100train3.4113e-05N400k2w0.1vm3:0 2m8.160s
>>5test1.8074e-05,100train3.1159e-05N500k2w0.1vm3:0 2m50.550s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    >>18test3.0627e-04, 99train5.7393e-05N100k2w0.1vm3:0 0m5.230s
>>24test4.7916e-04.100train2.5782e-05N300k2w0.1vm3:0 0m10.230s
>>52test3.4901e-04.100train2.5906e-05N300k2w0.1vm3:0 0m15.500s
>> 7test6.2930e-04.100train1.2289e-05N400k2w0.1vm3:0 0m22.190s
>> 5test5.8345e-04,100train1.4024e-05N500k2w0.1vm3:0 0m29.430s
                                                                          #<0:online,1:batch>, <gamma0>, <entropy_thresh>:imes 学習回数
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     >>222cest3.5327e-04,74train7.4276e-05N100k2w0.1vm1:0 0m4.950s
>>24cest3.8918e-04,70train7.6028e-05N100k2w0.1vm2:0
>>29cest2.4486e-04,89train7.7138e-05N100k2w0.1vm4:0
>>29cest2.6159e-04,80train7.7138e-05N100k2w0.1vm5:0
>>25cest2.1888e-04,10train1.2993e-05N100k2w0.1vm6:0
>>10tost3.1088e-04,99train1.3890e-04N100k2w0.1vm7:0
>>80tost2.7536e-04,38train4.9048e-05N100k2w0.1vm3:0 noise0
                                                                                                                                                                                                                                                                                                    make clean; make "GPLT=1" <-- 実行中に図を表示したいとき、make clean; make "GPLT=0" <-- 実行中に図を表示したいときをして、例えば bench2b.sh または以下を行う。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    net->nentropy_thresh=LA(net->n_cells,0.75,100,0.90,500); see 040311e.log
                                                                                                                                                                                                                                                                                                                                                                                               ./data/07trainle3.dat
./data/07trainle3.dat
./data/07test.dat
... \pi M (\Lambda' \vec{\sigma} \times \vec{\lambda} \vec{\lambda}) yOmin yOmax ylmin ylmax
in \vec{\lambda} \times \vec{\nu} = \vec{\nu} M M \ell
100 \vec{\nu} \times \vec{\nu} = \vec{\nu} M \ell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             v_ratio
width,gamma #window width
                                              0.2 width,gamma #window width ex 実行
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 n_compare
v_thresh vmin vmin2
              v_thresh vmin vmin2
                                                                                                                                                                                                                                                                                                                                                                 #0:時系列,1:関数
                                                                                                                                                                                      sh bench2b03ieice.sh sh bench2003ieice.sh 040310.log 040311e.log 040311n.log
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (1) make "GPLT=1"
(2) 結果は./result/の下に
                                 v_ratio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              i_times
表示回数
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             実行
                                                                                                                                                                                                                                                                                                                                                                                    汝元
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.05 0.80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.1 0.05
6 0.2 3 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        online
D=1e3
                                                                                                                                                                           040510
                                                                                                                                                                                                                                                                          040426
                                                                                                                                                                                                                                                                                                                                                      ./can2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            040310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            040311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      D=5e3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   D=1e4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100
                                                                                               10
10
```

```
N=100 D=1a3 100MSEB.467e-04MSERt5.92e-05
N=120 D=1a3 100MSEB.310mSEB.310mSEB.40.4
N=130 D=1a3 100MSEB.310mSEB.415e-04MSERt4.62e-05
N=139 D=1a3 100MSEB.415e-04MSERt4.62e-05
N=140 D=1a3 100MSEB.613e-04MSERt4.63e-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         N=141 D=1e3 100NSE3.148e-04MSEtr4.84e-05
N=150 D=1e3 100NSE4.7510e-04MSEtr1.98e-05
N=200 D=1e3 100MSE4.785e-04MSEtr1.98e-05
N=140 D=1e3 100MSE2.941e-04MSEtr1.77e-05F07trainle3noise0+tr1000+T100+K2+N140+NC6+vt0.2+vm3:0+vz5.0+
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      m3:0+vr5;0+w0.1+batch 0m39:010s
21228 N=500 D=2e3 100MSE1.845e-04MSEtr1.40e-05>21ssp1.6589e-04 F07train2e3+tr2000+T100+K2+N500+NC6+vt0.2+v
m3:0+vr5:0+w0.1+batch 0m53.320s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      vm3:0+vr5.0+w0.1+batch 2m59.760s
23.31 N=600 D=5e4 100NSES.580e-06MSEtr3.52e-05>99ssp5.1274e-06 F07train5e4+tr50000+T100+X2+N500+NC6+vt0.2+
xm3:0+vr5.0+w0.1+batch 13m39.500s
21232 N=500 D=5e4 >96ssp8.3399e-06>>85ssp8.8341e-06H1.568231e-0F07train5e4+tr50000+T100+K2+N500+NC6+vt0.2+
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21235 N=500 D=1e3 100MSE1.010e-03MSEtr2.75e-06>35ssp9.9502e-04 F07trainle3+tr1000+T100+K2+N500+NC6+vt0.5+v m3:0+vr5.0+vo1.1+online lm35:0.40s m3:30+vr5.0+vo1.1+online lm35:0.40s m3:30+vr5.0+vo1.1+online lm35:0.40s m3:0+vr5.0+vo1.1+online lm35:0.40s m3:0+vr5.0+vo1.1+online lm35:0.40s m3:0+vr5.0+vo1.1+online lm33:0.80s m3:0+vr5.0+vo1.1+online lm33:0.80s m3:0+vr5.0+vo1.1+online lm33:0.80s m3:0+vr5.0+vo1.1+online lm33:0.80s m3:0+vr5.0+vo1.1+online lm33:0.80s m3:0+vr5.0+vo1.1+online lm33:0+vr5.0+vo1.1+online lm35:0+vr5.0+vo1.1+online lm35:0+vr5.0+vo1.1+online lm35:0+vr5.0+vo1.1+online lm35:0+vr5.0+vo1.1+online lm35:0+vr5.0+vo1.1+online lm35:0+vr5.0+vo1.1+online lm35:0+vr5.0+vo1.1+online lm35:0+vr5.0+vo1.1+online lm35:0+vr5.0+vo1.1+online lm35:0+vo1.1+online lm35:0+vr5.0+vo1.1+online lm35:0+vr5.0+vo1.1+online lm35:0+vo1.1+online lm35:0+vo1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      N=500 D=1e3 100MSE1.185e-03MSEtr1.40e-05> 5ssp5.8345e-04 F07trainle3+tr1000+T100+K2+N500+NC6+vt0.2+v
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       N=500 D=5e3 100MSE5.300e-05MSEtr2.79e-05>59ssp5.0089e-05 F07train5e3+tr5000+T100+K2+N500+NC6+vt0.2+v
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  21230 N=500 D=1e4 100MSE2.090e-05MSEtr3.12e-05>51ssp1.8074e-05 F07train1e4+tr10000+T100+K2+N500+NC6+vt0.2+
                                                                                     >>96ssp3.2184e-05H6.557853e-05>\lssp2.2125e-04H2.351238e-04M100k2w0.1vm3:0 11m50.030s
->80ssp1.2184e-05H5.530818-05>\lssp2.5118e-06H1.253944e-04M100k2w0.1vm3:0 23m3.040s
>\lssp2.81899e-05H5.162161e-05>\lssp4.4178e-05H7.736686e-05M300k2w0.1vm3:0 34m57.630s
>> 17ssp4.5329e-05H3.933964e-05>>1ssp1.2419e-04H1.122968e-04N500k2w0.1vm3:0 5m50.150s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ***E0.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              N=200 D=3e3 100MSB7.693e-05MSBtr4.76e-05-598sp6 5116e-05
N=320 D=3e3 100MSB6.010e-05MSBtr4.40e-05-88sp5.6655e-05 0m21.310s***
N=180 D=3e3 100MSB7.775e-05MSBtr4.43e-05.18sp6.8473e-05 0m18.940s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     N=200 D-463 100MSE4.092e-05MSEtr4.07e-05>99ssp3.9921e-05 0m26.980s N=210 D=463 100MSE4.13e-05MSEtr3.85e-05>52ssp5.6226e-05 0m25.890s N=220 D=463 100MSE4.960e-05MSEtr3.35e-05>52ssp5.6256e-05 0m25.890s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          N=200 D=2e3 100MSE1.946e-04MSEtr4.98e-05>22ssp1.3481e-04
N=150 D=2e3 100MSE1.131e-04MSEtr7.53e-05-100ssp1.315e-04 E0.80
N=140 D=2e3 100MSE1.055e-04MSEtr5.33e-05>525Ssp1.0524e-04
N=130 D=2e3 100MSE9.849e-05MSEtr6.21e-05>100ssp2.8494e-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ./data/07trainle3.dat
./data/07trest.dat
0 0 0 0 0 正規化パラメタ yOmin yOmax yImin yImax
in ネットの初期化
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        width, gamma #window width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   - 1. インライン(不能),1:バッチ
1_times 学習回数
表示回数
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              n_compare
v_thresh vmin vmin2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #0:時系列,1:関数
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     m3:0+vr5.0+w0.1+batch 1m39.460s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              m3:0+vr5.0+w0.1+batchE0.80 ***
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      m3:0+vr5.0+w0.1+batc E=0.80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    v_ratio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 カル数
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         for sci2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  次元
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.05 0.90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.1 0.05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           040310
                                                                                                                                                                                                                                                                                                                    D=5e4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     w0.1+batch
21210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                21204 N=
21205 N=;
atch ***
21206 N=;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     21186
21187
21188
21188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21192
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     21223
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 21229
                                                                                                                                                                                                                    21173
21174
21174
21175
21177
21178
21178
21178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21193
21194
21195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21200
21201
21202
21203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  21185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 21207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 21220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  21209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      21227
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

12.149 N=500 D=183 100NSES 4282-040KSEry.12e-06>100ssp6.4818e-04F07trainle3noise0+tr1000+T100+KZ+N500+NC6+v 12.149 N=500 D=183 100NSES 4282-040KSEry.12e-06>100ssp6.4818e-04F07trainle3noise0+tr1000+T100+KZ+N500+NC6+v 12.149 N=500 D=183 100NSE9.466e-040KSEry.73e-09>188sp8.5702e-04 F07trainle3noise0+tr1000+T100+KZ+N500+NC6+v 12.24 N=500 D=1e3 100NSE3.651e-040KSErx.01e-05>14ssp2.8057e-04 F07trainle3noise0+tr1000+T100+KZ+N500+NC6+v 12.250 N=500 D=1e3 100NSE3.651e-040KSErx.01e-05>14ssp2.8057e-04 F07trainle3noise0+tr1000+T100+KZ+N500+NC6+v 21238 N-500 D=1e4 100MSB3.110e-05MSEtr4.00e-05>92ssp3.1103e-05 F07trainle4+tr10000+T100+K2+N500+NC6+vt0.5+vm3:0+vr5.0+w0.1+online1lm36.500s 21244 N=500 D=5e3 100MSE2.546e-05MSEtr2.50e-06>53ssp2.2217e-05 F07train5e3noise0+tr5000+T100+K2+N500+NC6+v t0.2+vm3:0+vr5.0+w0.1+batch 1m25.800 21245 N=500 D=2e3 100MSE1.359e-04MSEtr9.35e-07>39sspl.2146e-04 F07train2e3noise0+tr2000+T100+K2+N500+NC6+v t0.2+vm3:0+vr5.0+w0.1+batch/ 0m49.170s 21247 N=500 D=1e3 100MSE4.348e-04MSEtx1.05e-05>19ssp3.7114e-04 F07trainle3noise0+tx1000+T100+K2+N500+NC6+v vrO.2+vrm3:0+vrz5.0+w0.11-batch 11m31.560s 21243 N=500 D=144 100NsET.1185-060MSEDER3.25e-06>88ssp5.6664e-06 F07trainle4noise0+tr10000+T100+K2+N500+NC6+ vrO.2+vm3:0+vrz5.0+w0.11-batch 2m55.110s 21239 N=500 D=5e4 100MSE1.635e-05MSEtr4.30e-05>56ssp1.2118e-05 F07train5e4+tr50000+T100+K2+N500+NC6+vt0.5+ 21241 batch noise0 21242 N=500 D=5e4 100MSB6.110e-06MSBtr5.37e-06>45ssp4.1359e-06 F07train5e4noise0+tr50000+T100+K2+N500+NC6+ #Ttrain,Ttotal: points in time of training and total data $\#y\,0\text{min}\ y\,1\text{min}\ y\,1\text{max}\ for\ normalization$ #0:timeseries,1:chaos prepare_data() in my_function.c 黒木です、INCKNN04 の問題で多段予測を指定した時点からの1区間だけでなく、 2016 sin.cの4 Hefsine pr. 2で 投影だり 時点後の区間まで1時点すつようして行い、 そのMSDの平均を10xendata->-1jorno4date->-NSDMeanにしまうようにしよった。 チェックして 1.? 上 野君 : 今、test->MSEC 仮に入れて、abisort.rbで MSEmspをソートしているけれど、 MSEmeanでリートできるようにしてくれませんか? http://terasu.cntl.kyutech.ac.jp/~kuro/sotu/2004/ueno/can2b040225.tgz - ハン・しました、 - ハン・しました。 - No A は、xuby ./grest.tb 930 0 0 をすると他のプロックの与えられたデータ 多段予測区間として 930~949 931~950 の 20個の各区間をそれぞれその前の時点の情報から多段予測し、それぞれの 沢さん:他のブロックでも最適パラメタを求めてくれませんか(このブロックも le-3 0.90 #<0:online,1:batch>, <gamma0>, <entropy_thresh> #show training data show_data_parms(train); #v_thresh vmin vmin2 #n_cells storing vectors #iterations to execute #show network params #show batch params vm3:0+vr5.0+w0.1+online 57m2.070s m3:0+vr5.0+w0.1+online 5m57.060s GTEST_NCOMPARES = ["6"] #channels #r1 r2 #n_compare #v_ratio #display #width ./data2s.dat -410 640 0 1 GTEST_BLOCKS #no bestmsp.net 949~968 0.230 040308 040225 10 0 can2 0.2 100 dsw gp 211258 2112663 2112667 2112667 2112667 2112667 2112667 2112668 2112668 2112668 211277 211287 211288 211288 211289 21253 21254 21255 21255 21251 21257

ST_NCELLS

'-10"

21329 21330 21331 21332

21328

21327

21333

21334

21335 21336 21336 21337 21338 213340 21341 21342 21342 21344 21344 21346

21350 21351 21352

21353 21354 21355

21349

21356 21357 21358 21359

21360

21361

21363 21364 21365 21366

21369 21370 21371 21372 21373

21368

21367

```
    ARMA モデルを導入(まだIJCNN04にのみ有効)。

                                                                                                                                                                                                                                  #n_cells storing vectors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #n_cells storing vectors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #n_cells storing vectors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #n_cells storing vectors
                                                                                                                                                                                                                                                     #n_compare
#v_thresh vmin vmin2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #n_compare
#v_thresh vmin vmin2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #n_compare
#v_thresh vmin vmin2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #v_thresh vmin vmin2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #iterations to execute
                                                                                                                                                                                                                                                                                                                                                                                               #iterations to execute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #iterations to execute
                           Goodd Params for Block#4
                                                                                                                                                                                       # r1 r2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     # r1 r2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Goodd Params for Block#3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Goodd Params for Block#2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Goodd Params for Block#1
                                                                                                                                                                                                                                                                                                                              #width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #n_compare
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Params for Block#1
                                                                                                                                                                                                                                                                                                                                                                                                                     #display
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #v_ratio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #v_ratio
                                                                                                                                                                                                                                                                                                         #v_ratio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #display
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #v_ratio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #display
                                                                                                            2 961 980
-410 640 0 1
-410 640 0 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -410 640 0 1
-410 640 0 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 -410 640 0 1
-410 640 0 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                -410 640 0 1
-410 640 0 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /data.dat
961 980
                                                                                           /data.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ./data.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /data.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 961 980
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2 961 980
                                                                                                                                                                                                                                                                              0.250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /can2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             350 0
                                                                      350 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                350 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         350 1
                                                                                                                                                                                                                                                                                                                         0.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.2
                                                                                                                                                                                                                                  100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100
                                                                                         21390
21390
213993
213993
213993
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
213996
2139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        21417
21418
21419
21420
21421
21422
21422
21423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      21428
21429
21430
21431
21432
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        21433
21434
21435
21436
21437
21438
21440
21440
21441
21442
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     21449
21450
21450
21452
21453
21454
21455
21455
21456
21460
21461
21463
21463
21463
21463
21463
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21446
21386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21425
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              21444
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              21445
                                                                      21389
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              21426
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21427
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  21448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             m5:0
                                                                                                                                                                                                                                                                                                                                            21313 GTEST_MIDTHS = ["0.2"]
21314 GTEST_ARMAGOS = ["0.001"]
21315 GTEST_ARMAGOS = ["0.001"]
21315 GTEST_ARMAGOS = ["1.7"] #GTEST_NCHANNELS = ["14","15","16","17","18","19","20","21","22","22","23"]#GTEST_NCHANNELS = ["1.9"]
                                                                                                                                                                                                                                LDLASTS = ["-60"]#
LASTS = ["-60"]#
LASTS = ["-60"]#
LASTS = ["-7"] #OTEST_DLASTS=["-5","-6","-7","-8","-9","-11","-12","-13","-14",]

B2S = ["55"]#GTEST_PB2S = ["50","51","53","53","55","55","56","57","59","60"]#
                                                                                                                                                                                  = ["14","15","16","17","18","19","20","21","22","23"]#GTE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             int *p;p=(int *)malloc((sizeof(int)));printf("p0=%p\n",p);free(p);}//malloctest0
上野君、解決を:(sim.dの1211行)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GSTで計算された連想行列の要素の値は非常に大きくなることがあるので、
ifsuret->cell[i].S>le5) net->cell[i].S=le5;//???for infinite err of GSL //040211
を入れた。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          > $ wget -v http://terasu.cntl.kyutech.ac.jp/~ueno/study/can2b040211ueno.tgz
> $ wget -v http://terasu.cntl.kyutech.ac.jp/~ueno/study/ijcmn040211ueno.tgz
→これをもとに修正。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #0:time series,1:funciton approximation,<3:ijcnn04>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               simdata_ability_display()を呼ぶたびににかなりの量のメモリが順次減っ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2) IJCXNN04では、後来の逐次的逆行列計算より、擬似逆行列を直接計算する
GSLの方が良いことがある。以下の3手法を導入
make clean; make "GSL=1" #jacobi法 遅いが構度がよいはず
make clean; make "GSL=2" #従来法 中程度、戻ってこないことがある
make clean; make "GSL=3" #mod法 遅い、戻ってこないことがある
でコンパイル。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (1) can 2 のコマンドに mspj (LJCNNV04の予測結果出力)を追加。
(2) LJCNNV04モトドのときはデータファイルではなく
data.txt, data.dat, smooth.dat, smooth..dat があること
があるバスを指定すること。
(3) dt[] (wy_function.c)の計算間違いを修正。MSEG1はゼロになることがあ
るので sim.os を修正。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (1) IJCXXXV04モードのとき連続した10組の多段予測テストを行うようにした。
(2) IJCXXXV04モードでの入力をfromのみにした(下のt_t2は読まず、
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    無木先生・程に言われたメモリリークを起こすバグですが、発見しましたので
、バグフ・ケックスして更新しました。ダウンロードして試してみて下さい。・いつものように更新前のファイルは*.oxigという拡張子をうっています。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #<test_block(0,1,2,3,4)>, t_t1,t_t2
#y0min y0max y1min y1max for normalization
#x0min x0max x1min x1max for normalization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     exec_msp_test_LJJCNN04_out()で predict.dat 出力するようにした。
(2)上野君より
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1e-3 0.90 #<0:online,1:batch>, <gamma0>, <entropy_thresh>
00 #iterations to execute
                                                                                                                                                                                                       GTEST_NCELLS = ["14"]#
= ["-10"]#GTEST_DLASTS =
                                                                                                                                                                                  NCELLS = ["22"] #GTEST_NCELLS
= ["22"]#GTEST_NCELLS = ["14"]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #kl,k2 n_channels= kl+ k2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #n_cells storing vectors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.2 3 0 #v_thresh vmin vmin2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             sim.cの次の行を生かしてチェック。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              # r1 r2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      t2=t_t1+19とした)
                                                                                                                                                                                                                                                     ,"0"]#GTEST DLASTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #execute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #v_ratio
  GTEST_VTHRESHS
                                                                                                                                                                                                                                  #GTEST_DLASTS
                                                                      GTEST_VRATIOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ./smooth_.dat
                                                                                                                                                                                                                                                                              GTEST_DLASTS
                                                                                                                                                                                    GTEST_NCELLS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           -410 640 0 1
-410 640 0 1
                                                                                                                                                                                                                                                                              21318 GTEST_DLAST
21319 GTEST_FB2S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0 960 980
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 040208e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      040214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        040212
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            040210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     て行く。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             45 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100
                                                                                                                                                                                                                                                                                                                              GTEST_FB2S
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

10 #display >>5ssp5.9145e+02(2.564346e+00)1msp4.5657e+02(1.9795e+00)10train3.9911e-11(3.9911e-11)N100k351Goodd./ >>10ssp2.6358e+03(1.159992e+00)10msp3.3599e+03(1.4787e+00)10train3.6408e-11(3.6408e-11)N100k351w0.2v #0:time series,1:funciton approximation,<3:ijcnn04> #k1,k2 n_channels= k1+ k2 #0:time series,1:funciton approximation,<3:ijcnn04> #K1, k2 n_channels= k1+ k2 #0:time series,1:funciton approximation,<3:ijcnn04> #0:time series,1:funciton approximation,<3:ijcnn04> #kl,k2 n_channels= kl+ k2 #<test_block(0,1,2,3,4)>, t_t1,t_t2
#YOmin yOmax ylmin ylmax for normalization
#xOmin xOmax xlmin xlmax for normalization #<test_block(0,1,2,3,4)>, t_t1,t_t2 #y0min y0max y1min y1max for normalization #x0min x0max x1min x1max for normalization #y0min y0max y1min y1max for normalization #x0min x0max x1min x1max for normalization #YOmin yOmax ylmin ylmax for normalization #xOmin xOmax xlmin xlmax for normalization #execute
0.90 #<0:online,1:batch>, <gamma0>, <entropy_thresh>
#terations to execute 0.05 0.90 #<0:online,1:batch>, <gamma0>, <entropy_thresh> 0.05 0.90 #<0:online,1:batch>, <gamma0>, <entropy_thresh> 0.05 0.90 #<0:online,1:batch>, <gamma0>, <entropy_thresh> #<test_block(0,1,2,3,4)>, t_t1,t_t2 #<test_block(0,1,2,3,4)>, t_t1,t_t2 #k1,k2 n_channels= k1+ k2

```
10 #display
SES 1sspl.1.22+02(2.75e-01)mspl.13e+02(2.78e-01)MSEtr4.58e-15N90K300w0.2vm5:0
MSEs 10ssp7.09e+01(1.75e-01)msp7.47e+01(1.84e-01)MSEtr4.34e-17N90K300w0.2vm5:0→best_b0.net
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MSE> 3sspl.58e+02(6.59e-01)mspl.64e+02(6.81e-01)MSEtr3.69e-16N90k350w0.2vm5:0→best_bl.net MSE> 2sspl.84e+02(7.65e-01)mspl.90e+02(7.92e-01)MSEtr1.03e-15N90k330w0.2vm5:0
MSE> 48sp2.99e+02(1.24e+00)msp3.13e+02(1.30e+00)MSEtr2.22e-10N100k350+0w0.2vm5:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MSE> 1ssp2_17-402(5.36e-01)msp5.09e+01(1.26e-01)MSEtx2.87e-09N100k350+1w0.2vm5:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   z
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MSES-I2SSP7.87+01(1.94e-01)msp7.68+01(1.89e-01)MSELr4.35e-11N99k300w0.2vm5:0 MSES-I2SSP7.87+01(1.94e-01)msp7.68+01(1.90e-01)MSELr4.35e-11N99k300w0.2vm5:0 MSES-4SSP7.38+010(1.94e-01)msp7.66+01(1.90e-01)MSELr4.45e-10NB008300w0.2vm5:0 MSES-4SSP7.38+010(1.82e-01)msp7.66+01(1.99e-01)MSELr2.81e-10NB008300w0.2vm5:0 MSES-4SSP5.97+01(1.94e-01)msp7.59+01(1.90e-01)MSELr2.31e-10NB008300w0.2vm5:0 MSES-6SSP1.60+02(3.94e-01)msp1.60e+02(3.95e-01)MSELR3.25e-10NB008300w0.2vm5:0 MSES-8SSP1.60e+02(3.94e-01)msp1.60e+02(3.95e-01)MSELR3.49e-10NS008300w0.2vm5:0 MSES-3SSP1.60e+02(3.94e-01)msp1.60e+02(3.95e-01)MSELR3.49e-10NS008300w0.2vm5:0 MSES-3SSP1.60e+02(3.94e-01)msp1.60e+02(3.95e-01)MSELR3.29e-10NS008300w0.2vm5:0 MSES-3SSP1.60e+02(3.94e-01)msp1.60e+02(3.95e-01)MSELR3.29e-10NS008300w0.2vm5:0 MSES-3SSP1.60e+02(3.94e-01)msp1.60e+02(3.95e-01)MSELR3.79e-10NS008300w0.2vm5:0 MSES-3SSP1.60e+02(3.94e-01)msp1.60e+02(3.95e-01)MSELR3.79e-10NS008300w0.2vm5:0 MSES-3SSP1.60e+02(3.94e-01)msp1.60e+02(3.95e-01)MSELR3.79e-10NS008300w0.2vm5:0 MSES-23SSP1.60e+02(3.94e-01)msp1.60e+02(3.95e-01)MSELR3.79e-10NS008300w0.2vm5:0 MSES-23SSP1.60e+02(3.94e-01)msp1.60e+02(3.95e-01)MSELR3.79e-10NS008300w0.2vm5:0 MSES-23SSP1.60e+02(3.94e-01)msp1.60e+02(3.95e-01)MSELR3.79e-10NS008300w0.2vm5:0 MSES-23SSP1.60e+02(3.94e-01)msp1.60e+02(3.95e-01)MSELR3.79e-10NS008300w0.2vm5:0 MSES-24MS008300w0.2vm5:0 MSES-24MS00830w0.2vm5:0 MSES-24MS00830w0.2vm5:0 MSES-24MS00830w0.2vm5:0 MSES-24MS00830w0.2vm5:0 MSES-24MS00830w0.2vm5:0 MSES-24MS00830w0.2vm5:0 MSES-24MS00830w0.2vm5:0 MSES-24WS00830w0.2vm5:0 MSES-24WS00
                                                                                                                    #0:time series,1:funciton approximation,<3:ijcnn04>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #0:time series,1:funciton approximation,3:ijcnn04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #0:time series,1:funciton approximation,3:ijcnn04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #0:time series,1:funciton approximation,3:ijcnn04
                                                                                                                                                                                                   #<test_block(0,1,2,3,4)>, t_t1,t_t2
#y0min y0max y1min y1max for normalization
#x0min x0max x1min x1max for normalization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #y0min y0max y1min y1max for normalization #x0min x0max x1min x1max for normalization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.05 0.95 #<0:online,1:batch>, <gamma0>, <entropy_thresh> #iterations to execute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 0.05 0.95 #<0:online,1:batch>, <gamma0>, entropy_thresh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #<test_block(0,1,2,3,4)>, <t_t1>,<t_t2>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              simdata_func_ssp_set <<-変更//kuro040207 simdata_error_ssp_set <<-変更//kuro040207
                                                                                                                                            #kl,k2 n_channels= kl+ k2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #test_block 0,1,2,3,4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #test_block 0,1,2,3,4
                                                                                                                                                                                                                                                                                                                                                         #n_cells storing vectors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #n_cells storing vectors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #n_cells storing vectors
                                                                                                                                                                                                                                                                                                                                                                                                                #v thresh vmin vmin2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #n_compare
#v_thresh vmin vmin2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #iterations to execute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #v_thresh vmin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #width, gamma0
                                                                                                                                                                                                                                                                                               # r1 r2
                                                          Goodd Params for Block#0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             # rl r2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #channels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #channels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #channels
                                                                                                                                                                                                                                                                                                                                                                                        #n_compare
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #n_compare
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #v_ratio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #execute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ./data/data.dat
0 961 1000
0 0 0 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #execute
                                                                                                                                                                                                                                                                                                                                                                                                                                               #v_ratio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #display
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #v_ratio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #display
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #ci
./data/data.dat
0
                                                                                                                                                                              /data/data.dat
961 980
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /data/data.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IJCNN04 用
                                                                                                                                                                                                                              -410 640 0 1
-410 640 0 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -410 640 0 1
-410 640 0 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.2 0.05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.250
                                                                                                                                                                                                                                                                                                                                                                                                             0.250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.250
                                                                                        /can2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ./can2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            040207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Can2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /can2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ./can2
                                                                                                                                               350 1
                                                                                                                                                                                                                                                                                                                                                      007
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             300
                                                                                                                                                                                                      0
                                                                                                                                                                                                                                                                                                                                                      21478
21479
21480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              21498
21499
21500
21501
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     21524
21525
21526
21527
21527
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21529
21530
21531
21532
21533
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21491
21492
21493
21494
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             21504
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21505
21506
21507
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21510
21511
21512
21513
21513
21514
21516
21516
21517
21519
21519
21520
21520
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          21522
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21536
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  21538
21539
21540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            21490
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 21503
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      21483
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 21489
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          21487
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21495
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21496
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21497
```

readmecan2mspeech.txt
Dec 05 2019 13:52:41

```
21582 vt=0.2 // see bench20.sh
21583 brito[c_times] = (1.-net->nentropy)*(MSErrain[c_times]-net->sigma2_hat);
21584 Entro[c_times] = (1.-net->nentropy)*(MSErrain[c_times]-net->sigma2_hat);
21584 arain5e4 100MSE1.865-06MMSE01.91e-04MSEtr3.14e-05>>10ssp1.3742e-06H6.191114e-07>>3ssp1.4036e-06H6
21585 1ltrain5e4 100MSE3.716e-06WMSE04.54e-05MSEtr3.25e-05>>36ssp3.3407e-06H7.102311e-07>>434se-06H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21586 07train5e4 100MSE4.130e-06NMSE03.38e-05MSEtr3.43e-05>>92ssp4.0859e-06H6.837418e-07>>79ssp4.3245e-06H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21589 03train5e4 100MSE2.437e-06MMSE02.47e-04MSEtra3.49e-05>>95ssp2.4156e-06H1.930361e-06>>84ssp2.5536e-06H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1.749298e-06N100k2w0.1vm3:0
21590 11train5e4 100MSE3.391e-05NMSE04.14e-04MSEtr6.37e-05>>96ssp3.3782e-05H6.170366e-06>>83ssp3.5414e-05H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          21587 02train5e4 100MSE1.602e-02NMSE06.43e-02MSEtr3.83e-03>>75sspl.3710e-02H2.099179e-03>>60sspl.7213e-02H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       07train5e4 100MSE2.784e-05NMSE02.28e-04MSEtr6.15e-05>>96ssp2.5735e-05H8.469813e-06>>93ssp2.6727e-05H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 02train5e4 100MSE1.603e-02NMSE06.43e-02MSEtr8.23e-03>>72ssp1.2218e-02H5.719671e-03>>7ssp1.7421e-02H4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MSEtrain[c_times-1] = net->S[GlobalTime]/givendata->n_train;//Sは学習前のもの
Entro[c_times-1] =(1.-net->nentropy)*MSEtrain[c_times-1];//nentropyは学習前のもの
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ssp0 #check the training ability MSEx 20ssp1.63e+02(4.03e-01)msp1.73e+02(4.26e-01)MSExx5.23e-12N500k300w0.2vm4:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           とした。
ここでEntro(1)は 쁼線駅港 MSEtrain[t]が小さく、かりエントロピーが大きいで解放を決める→ N 化調券が小さい・瞬刻を見っけることができた。
中以下の結果のうち一番在の>>の後ろがNSEとそのときのH (= min Entro[t])

    (1)時刻GlobalTimeにおいてnet->nentropyとnet->sは荷重変更前のもの、
MSBI存電変更後のものである。
訓練器がSELTatainに、Limeslと予測誤差MSBssp[c_times]を同じ荷重に対するようにするため sin.c で変更した。

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (1) store_vector_batch を以下のように変更し、my_plinn.cとsim.cを変更た。
     #y0min y0max y1min y1max for normalization #x0min x0max x1min x1max for normalization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ex のときgamma0,entropy_threshを読み込むようにした。次のようにする
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ret2=reinit_cell_batch(net, x_train, y_train,n_train)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             calc_Voronoi(net.x_train,y_train, n_train);
modify_M_batch(net, x_train, y_train);
net-retl=calc_alpha(net, x_train, y_train,n_train);
# \( \text{C} \text{N} \text{T} \text{T} \text{N} \text{T} \text{T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.05 0.4 #<0:online,1:batch>, <gamma0>, entropy_thresh
    #iterations to execute
    #frequency of display
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.01 0.5 #<0:online,1:batch>, <gamma0>, entropy_thresh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          modify_w_batch(net, x_train, y_train, n_train);
までをフェーズ1と(MSEO)計算はフェーズ1が終わった後行う。
(2) Entroからnet-ssigma2_hatを引いたバーションを付加。
                                                                                                                                                                                               #n_cells storing vectors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          21620 03train5e4 100MSE1.820e-06NMSE0.
H5.198208e-07N500k2w0.1vm3:0 12m37.380s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #iterations to execute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6.253926e-07N500k2w0.lvm3:0 14m18.990s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6.414648e-07N500k2w0.1vm3:0 13m23.290s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (1) gamma0を読み込むようにした。
--from here 040203vt0.2_.log
net->gamma0
                                                                                                                                                                                                                                            #n_compare
#v_thresh vmin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     --to here 040203vt0.2_.log 040203
                                                                                                                                                                                                                                                                                                                                                                                               #width, gamma0
                                                                                                           # r1 r2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5.967447e-06N100k2w0.lvm3:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8.341542e-06N100k2w0.1vm3:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1.855987e-03N500k2w0.1vm3:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        741870e-03N100k2w0.1vm3:0
21593 --to here 040203vt0
21594 040203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #display
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       simdata.c
simdata.h
wrapplot/plot.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                       #execute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #execute
                                                                                                                                                                                                                                                                                                                                                  #v_ratio
-410 640 0 1
-410 640 0 1
                                                                                                                                                                                                                                                                                                                                                                                               0.2 0.05
                                                                                                                                                                                                                                                                                               0.2 4 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           040206
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            040204
                                                                                                                                                                                                     500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1
50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20
     21548
211549
211549
211551
211552
211553
211554
211555
211555
211556
211566
211566
211566
211566
211566
211566
211566
211566
211566
211566
211566
211566
211566
211566
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21579
21580
21581
21582
21583
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 21592
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          21573
21574
21575
21576
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21577
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21597
21598
21609
21609
21600
21600
21600
21600
21600
21600
21610
21611
21612
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
21613
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21591
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21571
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             21572
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          21588
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21596
```

.2118e-05(4.3898e-05)N5O0k2v0.1vm3:O user56m34.46cs TIT 3 Oztrahi654 SONSELTIDE-02NNSED6 SFE-02NNSED77.66e-03 100NSEL910e-02NNSE07.67e-02MSEtr6.98e-03> 9sspl .2546-02(8:3905e-03)NSO0k2w0.1vm3:O user56m12.356s 5.7709e-06(3.8202e-05)N100K2w0.1vm3:0user11m47.560s 21716 11train5e4 50MSE5.231e-05NMSE06.39e-04MSEtr8.02e-05 100MSE4.714e-05NMSE05.75e-04MSEtr7.51e-05>100ssp 4.7139e-05(7.5101e-05)N100k2w0.1vm3:0 user11m47.620s 21717 07train5e4 50MSE3.657e-05NMSE02.99e-04MSEtz7.26e-05 100MSE3.378e-05NMSE02.76e-04MSEtz6.64e-05> 96ssp 3.2184e-05(6.5579e-05)N100K2w0.1vm3:0 user11m47.760s 21718 02train5e4 50MSE2.719e-02NMSE01.09e-01MSEtr1.75e-02 100MSE2.206e-02NMSE08.86e-02MSEtr1.87e-02> 21ssp 21712 07train5e4 50MSE1.250e-05NMSE01.02e-04MSEtr4.42e-05 100MSE1.635e-05NMSE01.34e-04MSEtr4.30e-05>56ssp1 r3.82e-05 21721 litrain5e4 50MSE012 5.231e-05 1.66e-05 5.09e-05NMSE06.39e-04MSEtr8.02e-05NIO0k2w0.lvm3:0 100MSE012 4.714e-05 li5ml5.245s 21722 Oftrain5e4 100MSE012 3.378e-05 1.93e-04 1.61e-06NMSE02.76e-04MSEtr6.64e-05NIO0k2w0.lvm3:0 21723 02train5e4 50MSE012 2.719e-02 5.63e-02 6.40e-02NMSE01.09e-01MSEtr1.75e-02NIO0k2w0.lvm3:0 100MSE012 1.7484e-02(1.8882e-02)N100k2w0.1vm3:0 user11m47.480s データ数 Se4 5e4 5e4 YR YN 500 PSD Se5 mean'、 2.206e-02 21725 21720 21675 21677 21707 21719 21727 21728 21729 21731 H3.742487e-06NIO0X2w0.1vm3:0. 2m48.090s 21641 07train564 100NSE4.191e-05NNSE03.43e-04MSEtr_6.54e-05>>65ssp3.1050e-05H1.949707e-05>>85ssp3.9374e-05 21642 02train564 100NSE5.564e-02NNSE06.28e-02NSEtr_7.41e-03>>75ssp1.3060e-02H5.204641e-03>>70ssp1.5565e-02 H4.009494e-03NIO0X2w0.1vm3:0. 2m1.140s H5.121504e-07N500k2w0.1vm3:0.12m47.160s 21649 1Ltrain5e4 100WSE3.466e-06MNSED4.22e-05MNSELr_3.26e-05>>39ssp3.2742e-06H6.792700e-07>>31ssp3.5550e-06 H6.140722e-07N500k2w0.1vm3:0.13m28.770s 21650 07train5e4 100MSE5.118e-06MNSED4.19e-05MNSELr_3.56e-05>>83ssp4.5473e-06H6.192619e-07>>57ssp5.3445e-06 H5.701437e-07N500k2w0.1vm3:0.12m20.280s 6HI.726923e-06NIJ00K2w0.1vm3:0 2m45.280s 2644 ILTAIN5e4 IONNEZ.280e-05NNSED3.15e-04NSEtr_5.92e-05>>100ssp2.5804e-05H4.231513e-06>>93ssp2.8489e-0 5H3.801207e-06NIJ00k2w0.1vm3:0 2m48.790s 21669 02train5e4 100MSEI.948e-02MMSE07.82e-02MSEtr_1.08e-02>>83ssp1.5702e-02H9.516260e-03>>81ssp1.5786e-02
148.370611e-03M100K2w0.1ym3:0 2m6.780s
21670 --to here 040201vt0.3_.1og
21671 H1.041464e-06N100K2w0.1vm3:0 2m44.000s 21626 lltrain5e4 100MSE2.714e-05NMSE03.31e-04MSEtr_5.63e-05>>94ssp2.6545e-05H4.204073e-06>>92ssp2.7240e-05 07train5e4 100MSE5.445e-05NMSE04.45e-04MSEtr_8.20e-05>>90ssp2.7381e-05H9.609455e-06>>88ssp2.7723e-05 21628 02train564 100NSE1.387e-02NNSE05.57e-02MSEtr_6.95e-03>>87sspl.2807e-02H6.888662e-03>>97sspl.3793e-02H3.631797e-03N100K2w0.1vm3:0 2m3.200s vt=0.2 //see bench2b.sh 03train5e4 100MSE1.767e-06NMSE01.79e-04MSEtr_3.16e-05>>29ssp1.4300e-06H8.492398e-07>>47ssp1.6049e-06 H5.706458e-07N500k2w0.1vm3:0 11m57.010s 21637 02train5e4 100MSEI.699e-02NMSEO6.82e-02MSEtr_3.48e-03>>58spl.3245e-02H2.359568e-03>>98spl.5514e-02 H1.687172e-06N100k2w0.1vm3:0 2m42.230s 21640 lltrain5e4 100MSE2.796e-05NMSE03.41e-04MSEtr_5.65e-05>>99ssp2.6584e-05H3.751248e-06>>93ssp2.7055e-05 21647 vt=0.3 //see bench2b.sh 21648 03train5e4 100MSE1.820e-06NMSE01.84e-04MSEtr_3.16e-05>>17sspl.3744e-06H6.803907e-07>>19sspl.4441e-06 03train5e4 100MSE1.724e-06NMSE01.74e-04MSEtr_3.43e-05>> 98ssp1.6749e-06H1.992528e-06>>94ssp1.7750e-0 07train5e4 100MSE2.768e-05NMSE02.26e-04MSEtr_5.74e-05>> 88sspl.9557e-05H5.966399e-06>>85sspl.9756e-0 vt=0.3 //see bench2b.sh 03train5e4 100MSEI.730e-06NMSE0I.75e-04MSEtr_3.16e-05>>34sspl.4111e-06H7.088306e-07>>22sspl.4973e-06 07train5e4 100MSE4.645e-06NMSE03.80e-05MSEtr_3.39e-05>>94ssp4.4264e-06H8.591442e-07>>39ssp9.3832e-06 21666 03rrain5e4 100MSE2.146e-06NMSB02.17e-04MSBtr_3.49e-05>>96sspl.974le-06H2.374129e-06>>83ssp2.3518e-06H2.213097e-06N100k2w0.1vm3:0 2m38.960s 07train5e4 100MSE5.139e-06NMSE04.20e-05MSEtr_3.44e-05>>58ssp4.3450e-06H6.388476e-07>>67ssp4.6355e-06 02train5e4 100MSE1.405e-02NMSE05.64e-02MSEtr_3.66e-03>>41ssp1.3357e-02H2.885501e-03>>77ssp1.4618e-02 03train5e4 100MSE1.822e-06NMSE01.84e-04MSEtr_3.42e-05>>87ssp1.7121e-06H1.242313e-06>>49ssp2.3326e-06 11train5e4 100MSE3.028e-06NMSE03.70e-05MSEtr_3.23e-05>>55ssp2.9516e-06H7.103144e-07>>40ssp3.2476e-06 07train5e4 100MSE5.684e-06NMSE04.65e-05MSEtr_3.44e-05>>99ssp4.7698e-06H7.006412e-07>>60ssp5.4639e-06 21639 03train5e4 100MSE1.749e-05MMSE01.77e-03MSEtr_3.61e-05>>97ssp1.9896e-06H2.247844e-06>>90ssp2.2017e-06 02train5e4 100mSE1.451e-02nMSE05.82e-02MSEtr_3.09e-03>>80ssp1.2607e-02H2.898277e-03>>47ssp1.7638e-02 02train5e4 100MSE1.736e-02NMSE06.97e-02MSEtr_8.13e-03>> 96ssp1.4819e-02H9.094911e-03>>89ssp1.7716e-0 11train5e4 100MSE3.230e-06NMSE03.94e-05MSEtr_3.24e-05>>82ssp3.0616e-06H6.448023e-07>>45ssp3.1794e-06 02train5e4 100MSE1.811e-02NMSE07.27e-02MSEtr_4.01e-03>>25ssp1.4042e-02H3.207108e-03>>88ssp1.6589e-02 11train5e4 100MSE2.611e-05NMSE03.19e-04MSEtr_5.58e-05>>99ssp2.6044e-05H3.633253e-06>>72ssp2.7572e-05 07train5e4 100MSE2.654e-05NMSE02.17e-04MSEtr_5.77e-05>>94ssp1.9815e-05H9.453194e-06>>95ssp2.2158e-05 11train5e4 100MSE3.265e-06NMSE03.99e-05MSEtr_3.25e-05>>70ssp3.0292e-06H6.300738e-07>>90ssp3.1611e-06 3_.log =2.7*pow(net->n_cells,-1./net->k); //see my_plinn.c =2.6*pow(net->n_cells,-1./net->k); //see my_plinn.c net->gamma0 =LA(net->n_cells,0.24,100,0.11,500); //see my_plinn.c H6.126711e-07N500k2w0.1vm3:0 11m41.350s H5.249424e-07N500k2w0.lvm3:0 12m14.520s 21663 07train5e4 100MSE4.645e-06NMSE03 21655 07train5e4 100MSE2.768e-05NMSE0: 5H4.750332e-06N100k2w0.1vm3:0 2m13.220s 21656 02train5e4 100MSE1.736e-02NMSE00 H1.062542e-04N500k2w0.lvm3:0 8m30.860s H5.594500e-07N500k2w0.1vm3:0 12m24.900s 21634 03train5e4 100MSE1.767e-06NMSE0 H5.939343e-07N500k2w0.1vm3:0 12m37.500s H6.445074e-07N500k2w0.1vm3:0 12m48.270s 2H4.244457e-03NIO0k2w0.lvm3:0 2m4.780s 21657 --to here 04020lvt0.3.log 21658 --from here 040202vt0.3_.log H5.356269e-07N500k2w0.1vm3:0 12m32.490s H5.205725e-07N500k2w0.1vm3:0 11m51.620s 21637 02train5e4 100MSE1.699e-02NMSE H1.813462e-03N500k2w0.1vm3:0 9m35.590s H1.850593e-03N500k2w0.1vm3:0 8m48.750s H4.148212e-06N100k2w0.1vm3:0 2m45.790s 9m0.510s H6.557589e-06N100k2w0.lvm3:0 2m14.100s H3.306237e-06N100k2w0.1vm3:0 2m47.210s H8.705538e-06N100k2w0.1vm3:0 2m5.880s --from here 040202vt0.2_.log --from here 040202vt0.3.log 21643 --to here 040202vt0.2_.log --to here 040202vt0.2.log 21651 02train5e4 100MSE1.451 H2.520602e-04N500k2w0.lvm3:0 21629 21660 21632 21636 21645 21659 21662 21667 21653

03train5e4 50MSE7.153e-06NMSE07.24e-04MSEtr3.92e-05 100MSE5.771e-06NMSE05.84e-04MSEtr3.82e-05>100ssp

--- to here (in 040130.log) --- 03121.log) --- 03121213.92e-05NIO0K2w0.lvm3:0 100MSE5,771e-06NWSE05.84e-04MSEt

6.19287e-06 0.00000041 1.543e-06 1.113e-05 0.0000188 3.329e-06 1.92884e-05 0.00000529 5.743e-06 0.0149962 0.01811174 1.451e-02

1.830e-06 3.865e-06 3.134e-05 1.665e-02

£03 f11 f07 f02 can 2 on lin can 2 batch

can2online SVR

can2onlin can2batch 5e7 5e4 500 500

50(*5e4)

max1e6

.1364e-06(3.2938e-05)N500k2w0.1vm3:0 13m51.800s
2.1304 07t-2tm1n5e4 60MSED.74-06NMSED.800s
3.555e-06(3.3792e-05)MS00k2w0.1vm3:0 14m5.900s
2.1700 07t-2tm1n5e4 50MSED.74-06NMSED.2tm3:0 14m6.900s
2.1701 02train5e4 50MSED.45te-02NMSE05.82e-02MSEtz2.79e-03 100MSED.912e-02NMSE07.68e-02MSEtz1.88e-03>20ssp1
2.1702 02train5e4 50MSED.3tm3:0 14m29.700s
2.1703 03train5e4 50MSED.107e-06NMSE02.13e-04MSEtz3.47e-05 100MSED.744e-06NMSE01.76e-04MSEtz3.40e-05> 93ssp 1.5214e-06 (3.4140e-05)NIOOK2w0.1vm3:0 2m54.390s
2.63704 11.tarain5e4 90MSE2.80e-05NMSE03.28e-05NMSE03.28e-04MSELT5.47e-05>1008sp
2.6833e-05 (5.4715e-05)NIOOK2w0.1vm3:0 2m54.5304
2.6833e-05 (5.4715e-05)NIOOK2w0.1vm3:0 2m54.5304
2.7705 07train5e4 50MSE0.712e-05NMSE05.49e-04MSEtr5.980e-05 100MSE2.574e-05NMSE02.10e-04MSEtr5.53e-05>97ssp
2.7364e-06.65 65810e-06.7NIOOK2w0.1vm3:0 2m44.980s
2.7364e-06.65 65810e-05.NIOOK2w0.1vm3:0 2m44.980s
2.7706 02train5e4 50MSE1.703e-02NMSE06.84e-07MSEtr1.09e-02 100MSE2.047e-02NMSE08.22e-02MSEtr1.05e-02> 27ssp
1.6019e-02(1.2973e-02)NIOOK2w0.1vm3:0 2m35.830s .3908e-06(3.2210e-05)N500k2w0.1vm3:0 14m8.530s 21699 11train5e4 50MSE3.329e-06MNSE04.06e-05MSEtr3.31e-05 100MSE3.645e-06MNSE04.45e-05MSEtr3.25e-05>55ssp3 --from here 040201.10g net->gamma0=LA(net->n_cells,0.24,100,0.11,500);
03train5e4 50MSE1.543e-06NMSE01.56e-04MSEtr3.19e-05 100MSE1.768e-06NMSE01.79e-04MSEtr3.16e-05>35sspl net->rgamma = 5-//adhoc? ただしよ()は鞍形近段関撃: #define la(x,yl,xl,y2,x2) ((yl)+((x)-(xl))*((y2)-(yl))/((x2)-(xl))) (2) 再別期化コニットの贏みを net->N_reinit_max =LA(net->n_cells,0.10,100,0.30,500)*net->n_cells;//adhoc?net->gamma0=LA(net->n_cells,0.24,100,0.11,500); 040201 (1) 学習パラメタはユニット数に依存すべきとの考えからmy_plinn.cに以下の変数を導入。 net->nentropy_thresh =LA(net->n_cells,0.80,100,0.95,500);//adhoc? //ユニット数 n_cells が大きいと大きなエントロビーを異現できる? net->cell[xho_i].w[k]+1.9*(x[xi_j]][k]-net->cell[xho_i].w[k]);//good とした(以前は1.5)。 →(1) ○ 学習誤差 MSEtr はbatchと online共に訓練回数に伴いほぼ単調に減 //net->gamma0 =2.5*pow(net->n_cells,-1./net->k); //ポロノイ領域の半径pow(net->n_cells,-1./net->k)に比例させる ---to here 040201.log --- from here (in 040130.log) ---21679 21679 21681 21681 21688 21688 21688 21689 21690 21691 21694 21695 21695 21696 21697 21697 21697 21697 21697

```
07train batch → 100MSE012 3.415e-05 2.15e-04 5.18e-06NMSE02.79e-04MSEtx6.60e-05N100k2w0.1vm3:0
                                                                                                                                                                                                                                                                                                                                                                                                                      //online check
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.8 0.01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0 0 0 0
                                                                                                                                                                                                                                                                                                                                   040126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      040123
                                                                                                                                                                                                                                                                               040127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6 3 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      can2
                                                                                                                                                                                                                                                                                                                                                                                                                                                   can2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            sp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ëX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21819
21820
21820
21822
21823
21824
21825
21826
21827
21828
21828
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21843
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21846
211846
211849
211849
211855
211855
211855
211855
211855
211855
211855
211855
211855
211855
211855
211865
211865
211867
211867
211872
211873
211874
211874
211874
211874
211874
211874
211874
211874
211874
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
21187
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
211877
2118
                            21802
                                                                                                                                                               21807
21808
21809
21810
                                                                                                                                                                                                                                                                                                      21812
21813
21814
                                                                                                                                                                                                                                                                                                                                                                                         21815
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21840
21841
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21845
                                                                                                                                                                                                                                                                               21811
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21818
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            21832
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      21833
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21834
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21836
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      21837
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21839
                                                                                      21804
                                                                                                               21805
                                                                                                                                         21806
                                                                                                                                                                                                                                                                                                                                                                                                                                               21817
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      21831
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21838
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            21842
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21744 03train5e4 50MSE012 2.392e-06 3.70e-06 3.35e-06MMSE02.42e-04MSEtr3.47e-05N100k2w0.1vm3:0 100MSE012 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9ssp6.695e-06
1768 Oztrain5e4 alpha=0.20 50MSE012 1.654e-02 3.96e-02 4.84e-02NMSE06.64e-02MSEtr2.72e-03NSO0k2w0.1vm3:0>
42ssp1.3245e-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21773 03train5e4 alpha=0.01 50MSE012 1.782e-06 1.86e-06 2.11e-06NMSE01.80e-04MSEtr3.18e-05N500k2w0.1vm3:0>
lssp1.5762e-06
                                                                                                                                                                                                                                                                                                                                                                                      21747 03train5e4 50MSE012 1.944e-06 1.96e-06 2.46e-06NMSE01.97e-04MSEtr3.44e-05N100k2w0.1vm3:0 21748 11train5e4 50MSE012 3.356e-05 3.36e-05 3.36e-05 3.22e-05NMSE04.10e-04MSEtr6.22e-05N100k2w0.1vm3:0100MSE012 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               547e-05
21750 02train5e4 50MSE012 2.294e-02 4.17e-02 4.47e-02NMSE09.21e-02MSEtrl.22e-02N100k2w0.lvm3:0100MSE012 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               03train5e4 50MSE012 1.543e-06 1.36e-06 1.81e-06NMSE01.56e-04MSEtr3.19e-05N500k2w0.1vm3:0>35sspl.3908
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11train5e4 50MSE012 3.329e-06 2.41e-06 3.15e-06NMSE04.06e-05MSEtr3.31e-05N500k2w0.1vm3:0>49ssp3.1653
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      reinit 1.9*、alpha=0.10 のとき
03train5e4 50MSE012 1.859e-06 1.86e-06 2.72e-06NMSE01.88e-04MSEtr3.46e-05N100k2w0.1vm3:0>50sspl.8587
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   03train5e4 alpha=0.20 50MSE012 1.419e-06 1.32e-06 1.84e-06MMSE01.44e-04MSEtr3.24e-05N500K2w0.1vm3:0>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11train5e4 alpha=0.20 50MSE012 3.586e-06 2.69e-06 3.43e-06NMSE04.38e-05MSEtr3.33e-05NS500k2w0.1vm3:0>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               07train5e4 alpha=0.20 50MSE012 1.102e-05 6.56e-05 3.57e-06NMSE09.01e-05MSEtr3.67e-05N500k2w0.1vm3:0>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         07train5e4 50MSE012 3.029e-05 1.70e-04 3.00e-06NMSE02.48e-04MSEtr6.53e-05N100K2w0.1vm3:0100MSE012 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         02train5e4 50MSE012 1.451e-02 3.66e-02 3.85e-02NMSE05.82e-02MSEtrz.79e-03N500k2w0.1vm3:0>20ssp1.3121
                                                                                                                                                                                                                                                                                                         11train5e4 50MSE012 3.191e-05 2.59e-05 3.00e-05NMSE03.90e-04MSEtr6.35e-05N100k2w0.1vm3:0 100MSE012
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            alpha=0.15 net->n_cells*0.10

→ 100MSE012 2.892e-05 9.69e-05 3.49e-06NWSE02.37e-04MSEtr6.92e-05N100k2w0.1vm3:0

alpha=0.10 100MSE012 9.139e-05 5.39e-04 2.28e-05NWSE07.47e-04MSEtr1.38e-04N100k2w0.1vm3:0

alpha=0.15 *0.06 100MSE012 4.298e-05 2.30e-04 3.60e-05NNSE03.10e-04MSEtr7.29e-05N100k2w0.1vm3:0

0.05nentropy→100MSE012 5.570e-05 2.65e-04 2.09e-05NMSE04.56e-04MSEtr1.34e-04N100k2w0.1vm3:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   50MSE012 1.749e-06 1.53e-06 2.12e-06NMSE01.77e-04MSEtz3.16e-05N500kZw0.1vm3:0
50MSE012 3.376e-06 2.56e-06 4.15e-06NMSE04.12e-05MSEtz3.30e-05N500kZw0.1vm3:0
50MSE012 8.234e-06 3.33e-05 2.47e-05NWSE06.73e-05MSEtz3.69e-05NS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   03train5e4 50MSE012 2.212e-06 2.85e-06 3.10e-06NMSE02.24e-04MSEtr3.45e-05N100k2w0.1vm3:0
   5e4
500
                                                            50(*5e4)
   5e7
500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         reinit 1.9*, alpha=0.10 02&
                                                            max1e6
   5e4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      07train online 3.38e-5
データ数 5e4
N 100
学習回数 10(*5e4)
f03 7.153e-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         のてな
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               03train5e4
11train5e4
07train5e4
02train5e4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         reinit 1.5*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   07train5e4
02train5e4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11train5e4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21765 03train5e
38sspl.348le-06
21766 11train5e
49ssp3.2338e-06
21767 07train5e
                                                                                                                                      £07
                                                                                                                                                                                                                                                                               934e-06
                                                                                                                                                                                                                                                                                                                                   015e-05
                                                                                                                                                                                                                                                                                                                                                                                                                                            059e-05
21749 (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21760
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      21778
21779
21780
21781
                                                                                                                                                                                                                                                                                                         21745
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               e-06
21761
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            21775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21753
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   90-a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      e-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            90-e
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

```
02train batch0.06→100MSE012 1.822e-02 5.46e-02 4.27e-02NNSE07.31e-02MSEtr2.60e-03M500k2w0.1vm3:0 02train ?? →100MSE012 1.723e-02 6.38e-02 3.60e-02NMSE06.92e-02MSEtr1.80e-03N500k2w0.1vm3:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             500000 #1_times # iterations to execute
100 #4_times #display
70_train5e4 500000MSE012 2.265e-05 1.33e-04 1.87e-05MNSE01.85e-04MSEtr5.35e-05NSO0k2w0.lvm3:0
02train5e4 500000MSE012 1.641e-02 4.70e-02.3 3.92e-02NNSE06.55e-02MSETr7.80e-03NSO0k2w0.lvm3:0
02train5e4 500000MSE012 1.641e-02 4.70e-02 3.92e-02NNSE06.55e-02MSETr7.80e-03NSO0k2w0.lvm3:0

    sigma2hatの計算が間違っていたので訂正した。
    in 規札エントロビーnentropyの計算をして、再初期化のための閾値とした。
nentropy=0、95% 良いようだ。
→まず再初期化により歪を均一化し、次に勾配法で微調整するという具合になる。

                                                                                                                                                                                                                                                                                                                                                                               #0:timeseries,1:chaos prepare_data() in my_function.c
                                                                                                      MSE test MSE train M time
07train5e4 2,40751e-05 5,4908614e-05 9218 410m28.628s***Noconvergence
                                                                                                                                                                                                             コニット数により 再初期化の基準を変える nentropy_thresh を導入した。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (2)訓練データのMSE(MSEtzまたはMSEtrain)を表示するようにした。
07tzain5e4 では未知のテストデータに対するMSEがMSEtrainより小さくなるが、これは
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CANZIは雑音を除いた入出力関数を全習により形成するするものであること、

WSBLrainは雑音を含すない。

デナバーダは雑音を含まない。

から理解できる。

デストデータに対するMSEはの、

ボデータに対するMSEはの、

あるということである。

なお、雑音は・0.01~-0.0-1の一様乱数でその MSEは3・334155e-05

であった。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #execute learning, test and prediction
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #YOmin yOmax ylmin ylmax for normalization #XOmin xOmax xlmin xlmax for normalization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #y0min y0max y1min y1max for normalization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #show training data show_data_parms(train);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #init_net
#n_cells #storing vectors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #window width
                                                                                                                                                                                                                                                                                                                                                                                                                                                          #prediction file
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #0:timeseries,1:chaos
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #0:timeseries,1:chaos
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #v_thresh vmin vmin2
                                                                                                                                                                                                                                                                                                                                                                                                                                 #training file
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #prediction file
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #training file
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #training file
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #n_compare
                                                                                                                                                                                                                                                                  (1)sim.cの表示ルーチンを簡素化した?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #n_cells storing vectors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #0:online,1:batch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #v_thresh vmin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #iterations to execute
                                                                             040128 r=0.20 C=1000 e=0.001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #show network params
                                                                                                                                                                                                                                                                                                                                                                                                                                 ./data/train10+10+20.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #width, gamma0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #0:online, 1:batch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           # rl r2
                                                                                                                                                                                                                                                                                                                                                                                                                                                          ./data/test10+10+20.dat
-410 640 0 1 #yomi
-410 640 0 1 #xomi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2 0
./data/07train5e4.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 0 ./data/07train5e4.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #n_compare
                                                                                                                                                                                                                                                                                                                                                                                                        #channels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ./data/07test.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #v_ratio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #execute
```

```
/data/lltest.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          make "GSL=1"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       一夕数 E 習回数
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        一夕数 5
習回数 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11train
07train
02train
                                                                                                                                                                                                                                                                                                                        0.53 -1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               03train
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     040116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          040108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         040115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         040109
                                                             can2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      £07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   E03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          作业
                                                                                                                21969
21970
21971
21972
                                                                                                                                                                                                                                   21973
21974
21975
21976
21977
21978
21978
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              21982
21983
21984
21986
21986
21988
21988
21999
21999
21999
21999
21999
21999
21999
21999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               22000
22000
22000
22000
22000
22000
22000
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
22010
20010
20010
20010
20010
20010
20010
20010
20010
20010
20010
20010
                                                                                                                                                                                                                                                                                                                                                                                                                                        21980
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             22032
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     22037
22038
22039
21965
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    22034
                                                         21967
                                                                                        21968
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21981
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         22041
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               22031
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 07train5e4 50MSE012 8.06e-06 3.00e-05 4.94e-06 NMSE06.59e-05 MSETrO.00e+00N500K2w0.1vm3:-1
07train5e4b1 50MSE012 1.30e-02 7.73e-06 5.65e-03 NMSE01.07e-01 MSETrO.00e+00N500K2w0.1vm3:-1
07train5e4b2 50MSE012 1.41e-01 6.42e-02 5.50e-06 NMSE01.15e+0081.62e+00N500K2w0.1vm3:-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     50MSE012 1.73e-06 1.42e-06 2.01e-06 NMSE01.75e-04MSEtr3.16e-05N500k2w0.1vm3:0
50MSE012 3.70e-06 2.69e-06 3.59e-06 NMSE04.52e-50SMSEtr3.22e-05N500k2w0.1vm3:0
50MSE012 6.19e-06 2.11e-05 4.68e-06 NMSED5.06e-05MSEtr3.65e-05MS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1.830e-06 6.19287e-06 0.00000041 1.7736e-06 3.185e-06 1.113e-05 0.00000188 3.7047e-06 3.134e-05 1.113e-05 0.00000188 3.7047e-06 3.134e-05 1.92884e-05 0.000001529 8.00529 8.00529 8.00529 8.00149962 0.0149962 0.0149962 0.0149962 0.0149962 0.0149962 0.0149962 3.36e-02NMEDC3.56e-02MSEL12.50e-03N500k2w0.1vm3:0 50MSED12 1.46e-02 3.49e-02 1.86e-06MSED5.56e-02MSEL12.36e-03N500k2w0.1vm3:0 1.86e-06MSED12 0.79e-05 1.86e-06MSED4.12e-05MSED13.33e-05NS00k2w0.1vm3:0 50MSED12 1.75e-06 1.53e-06 2.12e-06MMSED4.17e-04MSET13.16e-05NSD0k2w0.1vm3:0 50MSED12 1.75e-06 1.53e-06 2.12e-06MMSED1.77e-04MSET13.16e-05NSD0k2w0.1vm3:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        50MSE012 1.73e-06 1.42e-06 2.01e-06NMSE01.75e-04MSEtr3.16e-05NS500k2w0.1vm3:0 50MSE012 3.62e-06 2.98e-06 3.83e-06NMSE04 42e-05MSEtr3.29e-05NS500k2w0.1vm3:0 50MSE012 5.65e-06 2.48e-05 1.53e-06NMSE04.62e-05MSEtr2.5e-05NS500k2w0.1vm3:0 50MSE012 1.53e-02 3.95e-02 3.32e-02NMSE04.52e-05MSEtr2.4e-03NS500k2w0.1vm3:0 50MSE012 1.53e-02 3.95e-02 3.32e-02NMSE05.97e-02MSEtr2.4e-03NS500k2w0.1vm3:0
                                                                                                                                                                                                                                                                                                                                                                              02train5e4 50MSE012 1.46e-02 3.49e-02 3.36e-02MMSE05.86e-02MSEtr2.50e-03M500k2w0.1vm3:0 02train5e4 100MSE012 1.64e-02 4.35e-02 2.88e-02MMSE06.60e-02MSEtr2.01e-03M500k2w0.1vm3:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   07train5e4 100MSE012 6.25e-06 2.82e-05 1.19e-06NMSE05.11e-05MSEtr3.47e-05N500k2w0.1vm3:0 07train5e4 50MSE012 6.79e-06 2.99e-05 1.68e-06NMSE05.55e-05MSEtr3.63e-05N500k2w0.1vm3:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        O3train5e4 >50ssp1.77e-06(1.43e-06,2.11e-06);1.79e-04N500k2w0.1vm3:-1
Strain5e4b1 >50ssp1.45e-04(1.11e-06,4.14e-05);1.74e-02N500k2w0.1vm3:-1
O3train5e4b2 >50ssp5.14e-05(2.99e-05,1.10e-06);5.20e-03N500k2w0.1vm3:-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        07train5e4 >50ssp8.06e-06(3.00e-05.4.94e-06);6.59e-05N500k2w0.1vm3:-1 07train5e4b1>50ssp1.30e-02(7.39e-06.5.56e-03);1.07e-01N500k2w0.1vm3:-1 07train5e4b2>50ssp1.001(6.42e-02,5.50e-06);1.15e+00500k2w0.1vm3:-1 07train5e4b2>50ssp1.1e-02(6.42e-02,5.50e-06);1.15e+00500k2w0.1vm3:-1 07train5e4b2.100ssp1.1le-02(6.17e-06,5.77e-04);9.04e-02N500k2w0.1vm3:-1
                                                                                                                                                                                                                                      #execute learning, test and prediction
                                                                                                                                                                                                                                                                                         #i_times # iterations to execute
#d times #display
./data/07test.dat #prediction file 0 0 0 0 #yOmin yOmax ylmin ylmax for normalization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1.830e-06 6.19287e-06 0.0000041 1.7736e-06 3.865e-06 1.133e-05 0.00000188 3.7047e-06 1.134e-05 1.92844e-05 0.00000529 8.0602e-06 0.0149962 0.01811174 1.4668e-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 can2onlin can2batch
5e7
                                                         #init_net
#n_cells #storing vectors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (1) 有限個のデータを使うcan2onlineと比較した。
width=0.8のcan2batchの結果はf11に対して良くなかった。
                                                                                                                                                                                                        #window width
                                                                                                                   #n_compare
#v_thresh vmin vmin2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   50(*5e4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              w=0.1
                                                                                                                                                                             #v_ratio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               w=0.1
                                                                                                                                                                                                        #width
                                                                                                                                                                                                                                                                  #0:online,1:batch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   max1e6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         can2online SVR
5e4 5e4
$ 5e5 max1e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (1) bench2b.shを実行
040119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     03train5e4
11train5e4
07train5e4
02train5e4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  07train5e4
11train5e4
03train5e4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      03train5e4
11train5e4
07train5e4
02train5e4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              02train5e4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 データ数 学習回数
                                                                                                                                           0.530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       040120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           f11
f07
f02
```

21920 21921 21921 21922 21923 21924 21925 21926 21927 21928 21928 21928 21928 21930 21930

21932 21933 21934 21935 21936

21937 21939

21940 21941 21942 21943

21944

219945 2219944 2219944 2219944 2219944 2219955 2219957 2219959 2219959 2219959 2219959 2219959 2219959 2219959

2219901 2219902 2219902 2219903 2219904 2219911 2219911 2219911 2219911 2219911 2219911 2219911 2219911 231911

21894 21895 21896

21897

21899

readmecan2mspeech.txt Dec 05 2019 13:52:41

(1) GSL(正確な最小2乗解法)によるmodify_M_batch のルーチンの誤りを訂正し、実験した。 コンパイル方法は 040119 f03 50sspl.7329e-06>9sspl.3566e-06(1.3728e-04)N500k2w0.1vm3:0040119 f11 50ssp3.7047e-06>32ssp3.5536e-06(4.3379e-05)N500k2w0.1vm3:0040119 f17 50ssp6.1905e-06>50ssp6.1905e-06(5.0621e-05)N500k2w0.1vm3:0040119 f07 50ssp2.8839e-02/17sspl.475sp1.475sp2.6750e-02(5.932e-02)N500k2w0.1vm3:070040119 f02 50ssp1.7824e-02>55ssp1.3843e-02(5.532e-02)N500k2w0.1vm3:7NG 040119 f10 50ssp1.7736e-06-9ssp1.3566e-06(1.3728e-04)N500k2w0.1vm3:-1 040119 f11 50ssp2.7047-06.53ssp3.5566e-06(4.3379e-05)N500k2w0.1vm3:-1 040119 f10 50ssp3.7047-0632sp3.5566e-06(4.3379e-05)N500k2w0.1vm3:-1 040112 f07 50ssp4.956e-06-100ssp4.956e-06.40699e-05)N500k2w0.1vm3:-1 040119 f02 50ssp1.465e-06-100ssp4.956e-06-100ssp4.956e-06-100ssp4.956e-06-02-9ssp1.4405e-06.5 N500k2w0.1vm3:-1 040119 f02 50ssp1.465e-02.5 N500k2w0.1vm3:-1 040119 f02 50ssp2.885e-06-9ssp1.4465e-02(5.782e-02)N500k2w0.1vm3:-1 16 (0100s17) f11 100ssp3.8879e-06-32ssp3.553e-06(1.635e-04)N1000k2w0.1vm3:-0 040119 f11 100ssp3.8879e-06-32ssp3.553e-06(4.3379e-05)N500k2w0.1vm3:-0 040120 f07 50ssp5.4152e-06(4.421e-05)N500k2w0.1vm3:-0 040120 f07 50ssp5.4152e-06(4.2421e-05)N500k2w0.1vm3:-0 040120 f07 50ssp5.4152e-06(4.421e-05)N500k2w0.1vm3:-0 040120 f07 50ssp5.4152e-06(4.24e-05)N500k2w0.1vm3:-0 040120 f07 50ssp5.4152e-06(4.24e-05)N500k2w0.1 040119 f03 50ssp1.6149e-06>7ssp1.3624e-06(1.3786e-04)N500k2w0.2vm3:-1 040119 f11 50ssp3.7849e-06>35sp3.869e-06(4.5006e-05)N500k2w0.2vm3:-1 040119 f07 50ssp6.956e-06>45ssp6.259e-06(5.1182e-05)N500k2w0.2vm3:-1 040119 f07 50ssp6.956e-06>45ssp6.259e-06(5.1182e-0.5)N500k2w0.2vm3:-1 040119 f02 50ssp1.878e-02>10ssp1.457e-02(5.835e-02)N500k2w0.2vm3:-1 040119 f02 50ssp1.8600e-02>10ssp1.457e-02(5.835e-02)N500k2w0.2vm3:0 040119 f02 50ssp1.732e-02>7ssp1.457e-02(5.835e-02)N500k2w0.2vm3:0 040119 f02 50ssp1.732e-02>7ssp1.381e-02(5.835e-02)N500k2w0.2vm3:5 040119 f02 50ssp1.6784e-02>10ssp1.457e-02(5.835e-02)N500k2w0.2vm3:5 width=0.1とするとcan2onlineより良い結果が得られ、最終時刻でもまあまあの結果となった。 #execute learning, test and prediction (1)my_plinn.cで 荷重ベクトルの更新式と学習係数を説明しやすいように以下のように変更した。 #i_times # iterations to execute
#d_times #display dat #prediction file #yomin yOmax ylmin ylmax for normalization (1) vがvmin2 以下のユニットは削除。vmin2=-1のとき何もしない。 can2online 5e7 w=0.1 1.7736=06 1.830e-06 6.19287e-06 0.00000041 3.7047e-06 3.855e-06 1.113e-05 0.00000188 8.0602e-06 3.134e-05 1.92884e-05 0.0000529 1.4668e-02 1.665e-02 0.0149962 0.01811174 1.3808e-06 1.830e-06 6.19287e-06 0.00000041 4.4772e-06 3.865e-06 1.113e-05 0.00000188 1.1927e-05 3.134e-05 1.92884e-05 0.00000529 1.2426e-02 1.665e-02 0.0149962 0.0181174 can 2online #init_net
#n_cells #storing vectors
#n_compare #window width #v_thresh vmin vmin2 #0:timeseries,1:chaos width=0.2でもやってみた(f02の結果が不満足) #training file (1)net_save()とnet_load()の整合性をとった。 GlobalTimeをセーブするようにした。 max1e6 max1e6 can2online SVR 5e4 can2online SVR 5e4 5e4 #v_ratio #width #0:online,1:batch vmin2=0としてみた(f02が不満足) 5e5 5e4 5e4 50(*5e4) 5e5 2 0 ./data/lltrain5e4.dat can2batch 5e4 can2batch . 100(*5e4) BestResult

http://terasu.cntl.kyutech.ac.jp/~kuro/sotu/2004/ueno/docs/03ieice_kuro.tex を参照。

荷重ベクトルの更新式を以下のような感じで変えた。

(1-1) my_plinn.cT

for (k=0.7k<(n_channels);k++){
 dwNorm=square (net->cell[1].dw[k]);
 if (dwNorm=fabs(net->cell[1].dw[k]))
 dwNorm=fabs(net->cell[1].dw[k]);

(FLOAT)square(x[j]-net->cell[si].w[j]);

delta_wic = 0.0;
for(j=0; j<n_channels; j++)
delta_wic +=</pre>

delta_wic = (FLOAT)sqrt(delta_wic/2);

22129 22130

031211 can2

#0:timeseries,1:chaos ./data/03train5e4.dat 0 22138 22139

.dat #prediction file #yomin yOmax ylmin ylmax for normalization #training file /data/03test.dat 0 0 0 #y0 22140

#init_net #n_cells #storing vectors #v_thresh vmin vmin2 #n_compare #v ratio 0.53-1 500

#width #window width #show training data #width qs

#show batch params #execute learning, test and prediction #show network params #0:online, 1:batch 22154 22155

22163 22164

#execute learning, test and prediction

#window width

#width #v ratio

#0:online,1:batch

temp.net

22083

MS###

ď

22084 22085 22086 22087 22088 22089

can2

#i_times # iterations to execute
#d_times #display

15e4.dat #training file dat #prediction file #y0min y0max y1min y1max for normalization

#0:timeseries,1:chaos

040116 (1) セーブとロードのチェック。 dwNorm=sqrt(dwNorm);

can2

222055 222055 222055 222055 222056 2220666 222066 222066 222066 222066 222066 222066 222066 222066 2220666 222066 222066 222066 222066 222066 222066 222066 222066 2220666 222066 222066 222066 222066 222066 222066 222066 222066 2220666 222066 222066 222066 222066 222066 222066 222066 222066 2220666 222066 222066 222066 222066 222066 222066 222066 222066 2220666 222066 222066 222066 222066 222066 222066 222066 222066 2220666 222066 222066 222066 222066 222066 222066 222066 222066 2220666 222066 222066 222066 222066 222066 222066 222066 222066 2220666 222066 222066 222066 222066 222066 222066 222066 222066 2220666 222066 222066 222066 222066 222066 222066 222066 222066 222066 222066 222066 222066 222066 222066 222066 222066 222066 222066

#channels

./data/03train5e4.dat

./data/03test.dat

0 0 0

#n_cells #storing vectors

#init_net

#v_thresh vmin vmin2

5 3 -1

200

#n_compare

040115 11train5e4>10ssp5.2472e-06(6.4052e-05)N500k2w0.8vm3:-1GSL llrrain5e4>:0 GSL 11train5e4>:0 GSL 11train5e4>:10ssp5.2472e-06(6.4052e-05)N500k2w0.8vm3:1 GSL 040115

040115 1 040115

040115 11train5e4>:2 GSL 040115 11train5e4>10spp5.2472e-06(6.4052e-05)N500k2w0.8vm3:3 GSL 040115 11train5e4>10ssp5.2472e-06(6.4052e-05)N500k2w0.8vm3:4 GSL 040115 11train5e4>10ssp5.3448e-06(6.5244e-05)N500k2w0.8vm3:5 GSL

22171

173 >-18sspl.5833e-06(1.6022e-04)N500k2w0.8vm3
174 \/\dot04015 \text{ modify_wberch 70M } \frac{1}{1} \text{ for 2} \\dot04015 \text{ or 2} \\dot04015 \\d 22173 22174 22175 22176 22177 22177

#execute learning, test and prediction

#GlobalTime

temp.net

22098 22099 22100 22101 22102

#0:online,1:batch

15e4.dat #training file at #prediction file #prediction file #pomin y0max y1min y1max for normalization

./data/03train5e4.dat ./data/03test.dat

0 0 0

22091 22092 22093 22094 22095 22095

200

#0:timeseries,1:chaos

#channels

#n_cells #storing vectors

#init_net

#v_thresh vmin vmin2

.5 3 -1

22097

#n_compare

#window width

#v_ratio #width

#i_times # iterations to execute #d_times # iterations to execute #d_times #display asspl.44699-06(1.4641e-04)NISONCAWO.89m3:-1 7sspl.4044e-06(1.4212e-04)NISONCAWO.89m3:-1

5:17

22105 22106 22108 22109

22103 22104 9 5:2> 885P1.4668e-06(1.4843e-04)N500k2w0.8vmm:-1 15:4> 10ssp1.3767e-06(1.391a-04)N500k2w0.8vmm:-1 15:4> 13ssp1.4041e-06(1.391a-04)N500k2w0.8vmm:-1 25:5> 14ssp1.3229e-06(1.3817e-04)NS00k2w0.8vmm:-1 35:5> 14ssp1.3449e-06(1.361e-04)NS00k2w0.8vmm:-1 45:7> 11ssp1.3349e-06(1.361e-04)NS00k2w0.8vmm:-1 5:1> 12ssp1.349e-06(1.361e-04)NS00k2w0.8vmm:-1 5:1> 13sp1.340e-06(1.3629e-04)NS00k2w0.8vmm:-1 5:10>16ssp1.330e-06(1.3299e-04)NS00k2w0.8vmm:-1

22110 22111 22111 22113 22114 22115 22116 22117 22118 22118 22118

lltrain5e4>33ssp4.2675e-06(5.2093e-05)N500k2w0.8vm3:-1 lltrain5e4>33ssp4.2675e-06(5.2093e-05)N500k2w0.8vm3:-0 lltrain5e4>25ssp4.3813e-06(5.3482e-05)N500k2w0.8vm3:1 lltrain5e4>55ssp4.38180e-06(5.1123e-05)N500k2w0.8vm3:3 lltrain5e4>45ssp4.3234e-06(5.2776e-05)N500k2w0.8vm3:3 040109 040109 040115 040109

040115 040109 040109

9. When initialize net->cell[i].am.P[k][1]=1e4;
10. 5:0> 9sspl. 5109e-06[1.5289e-04/N500k2w0 8rm3:-1
15.1> 48spl. 5109e-06[1.5289e-04/N500k2w0 8rm3:-1
15.2> 12sspl. 5910e-06[1.6100e-04)N500k2w0 8rm3:-1
13. 5:3> 4sspl. 5842e-06[1.6031e-04/N500k2w0 8rm3:-1
14. 5:5> 4sspl. 4842e-06[1.4671e-04)N500k2w0 8rm3:-1
15. 5:5 6sspl. 4380e-06[1.4671e-04)N500k2w0 8rm3:-1
16. 5:5> 6sspl. 436e-06[1.4671e-04)N500k2w0 8rm3:-1
16. 5:5> 6sspl. 436e-06[1.4671e-04)N500k2w0 8rm3:-1
18. 5:0> 14sspl. 4497e-06[1.5125e-04)N500k2w0 8rm3:-1
19. 5. 5. 6sspl. 436e-06[1.567e-04]N500k2w0 8rm3:-1
19. 5. 6sspl. 4496-06[1.5125e-04]N500k2w0 8rm3:-1
19. 6. 5:0> 14sspl. 4947e-06[1.5125e-04]N500k2w0 8rm3:-1

07train5e4>93sspl.2617e-05(1.0317e-04)N500k2w0.8vm3:-1 07train5e4>99sspl.1225e-05(9.1788e-05)N500k2w0.8vm3:0 07train5e4>98sspl.1585e-05(9.4736e-05)N500k2w0.8vm3:1 02train5e4>12sspl.2124e-02(4.8669e-02)N500k2w0.8vm3:-1 02train5e4>12sspl.2124e-02(4.8669e-02)N500k2w0.8vm3:0 040109

```
222236
222299
222309
223309
223300
223300
223300
223300
223300
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
22331
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
22331
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
223311
22331
22331
223311
223311
223311
223311
223311
223311
22331
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2233338
223348
2233419
223346
223346
223346
223346
223346
223346
223346
22336
22336
22336
22336
22336
22336
22336
22336
22336
22336
22336
22336
22336
22336
22336
22336
22336
22336
22336
22336
22336
22336
22336
22336
22336
22336
22336
22336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                031211 07train5e4>94ssp1.1179e-05(9.1417e-05)NSO0k2w0.8vm3 n1=net->vmin/(1.+GlobalTime/20.)+0.5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      030725m 02train5e4> 52sspl.1347e-02(4.5550e-02)N500k2w0.1vm2
030714e 07train5e4>100 MSEL.895141e-05:4.550582e-01 NMSEL.549705e-04:3.721126e+00 N500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       santafe.datの1000-1100の予測誤差NMSE=0.0268は、Yu等の結果 NMSE=0.027より10名より000-0100の新興 採し、Yuのようなたいだが、Xのようなことが考えられる。本年近で自継年に生物の服券は学習回数3で0になっている。ここで訓練データは整数データあるので丸の誤差の表っこと、ボデータは整数データあるので丸の誤差あること、ボデータなの不力の影響の配置によれいので、木切データの多段を第一部の結果が良いかどうかは、ノイズの処理法(Yurので、木切データの多段を予測の結果が良いかどうかは、ノイズの処理法(Yurのにまに特異値分解 (SVD)法?、本手法では逐次的最小二乗法: に依存するのだろうか?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Yu等の結果は Lyapunov時間の5倍から10倍の時間まで予測可能だったと報告している。これは例えば初期時刻の誤差E(0)が時刻に55~10元でEmaxまで大きくなるとすると、E(0)/Emax = exp{-57/I} ~ exp{-101/I}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Phase space prediction of Chaotic Time Series" の 祐
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 - 1.73794699909-3~4.53999297625e-5
程度の初期課金かたことに相当するのであろうか?実際の課業は初期課金
よりもネットが学習した力学系のシステム概要でのは、各時数で課差が発生するので、その各時刻のシステム概要でしかり、各時数の課差が発生するので、その各時刻のシステム概差は上よりもっといさいと考えられる?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (1) 一般に解析解が求まらないカオス時系列はRungeKutta法等で数値解を得るこの数値解には
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (i) RungeKutteの刻み幅が大きいために生じる推定誤差
(ii) RungeKutteの角度(浮動小数点格数)による丸の誤避
(iii) データをやり取りするときの丸の誤差(道称有効数字6桁の浮動小数点)
などが含まれ、生成された時系列は与えられた数式による真のカオス時系列で
はな。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (1) 関数近似においては、バッチ型 CAN2の能力はオンライン型 CAN2より悪いよ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             の時系列にもカオス性はあり、それぞれ個々のカオス時系列と解釈してよい
02train5e4>12sspl.2124e-02(4.8669e-02)N500k2w0.8vm3:1
                                                                                                                                                                                                                                             07train5e4>447ssp7.1086e-06(5.8129e-05)N500k2w0.8vm3
                                   min2=2,ii;//040109 for remove Unit 03train5e414sspl.3104e-06(1.3260e-04)N500K2w0.8vm3 11train5e445ssp4.3382e-06(5.2956e-05)N500K2w0.8vm3 07train5e44587sspl.5499e-05(1.2674e-04)N500K2w0.8vm3 02train5e4712sspl.2124e-02(4.8669e-02)N500K2w0.8vm3
                                                                                                                                                 03train5e4>14sspl.3229e-06(1.3387e-04)N500k2w0.8vm3
11train5e4>38ssp4.2675e-06(5.2093e-05)N500k2w0.8vm3
07train5e4>93sspl.2617e-06(1.0317e-04)N500k2w0.8vm3
02train5e4>128spl.2124e-02(4.8669e-02)N500k2w0.8vm3
                                                                                                                                                                                                                                                                                03train5e4> 5sspl.3808e-06(1.3973e-04)N500k2w0.8vm3
11train5e4>35ssp4.427-2e-06(5.4042e-05)N500k2w0.8vm3
07train5e4>36sspl.1272-05(9.7528e-05)N500k2w0.8vm3
02train5e4>8sspl.1272e-05(9.7528e-05)N500k2w0.8vm3
                                                                                                                                                                                                                                                                                                                                                                         can2online
5e7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ところで(i),(ii)はシステム誤差、(ii)は観測誤差と解釈できる
                                                                                                                                                                                                                                                                                                                                                                                                                  10.0(*5e4) 5e5 maxle6
1.3808e-06 1.9830e-06 6.19287e-06 0.00000041
4.4272e-06 3.865e-06 1.113e-05 0.00000189
1.1.927e-05 3.114e-05 1.92884e-05 0.00000529
1.2426e-02 1.665e-02 0.0149962 0.01811174
                                                                                                                                                                                                                                                                                                                                                                           can2online SVR
Fe4 5e4
                                                                                                                                                                                                                                                                                                                                                                                                   5e4
                                                                                                                                                                                                                                                                                                                                                                      can2batch c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (1) D.Yu,et al.
との比較について。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           031110
svrの導入 sim.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  この時条列にものかもしれない。
                                                                                                                                                                                                                                                                                                                                                                                               データ数学習回数
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         07train
02train
                                                                                                                                                                                                                                                                                                                                                                                                                                      03train
                                                                                                                                                                                                                                                                                                                                                                                                                                                        11train
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    030726m
040109
                                                                                          040109
                                                                                                                                                 040109
040109
040109
040109
                                                                                                                                                                                                                                             040107
                                                                                                                                                                                                                                                                                   031211
                                                         040109
                                                                          040109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              030713
                                       int
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (1-1)
```

readmecan2mspeech.txt Dec 05 2019 13:52:41

```
store_vector_batch(net, train->x, train->y, n_train)は次のルーチンで構成
993 うた。これは後者は無限のデータを使うからと考えれば理解できる。しかし同
994 ピークを使ったSVRの結果 (teicce0302/mse_N.dat参照)より良くできなかった。
295 (一よどできた。0307120
296 こればバッチ型CANZO能力の低さか?(しかし次質参照)
297 (3) しかしMackey-Glass 暗糸列・型においては、バッチ型CANZO能力はオン
299 ライン型CANZO・電力の展立か?(しかし次質参照)
299 ライン型CANZO・電子では「Tango Tango Tan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (b)store_vector_batch(net, train->x, train->y, n_train);を繰り返す。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (1) exec_pred() \& exec_test() \& \& \& \& \& thexec_msp_test() \& exec_ssp_test() \& \& \&
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        元 の信号はjvvendata->x[t],givendata->x[t],

処理信号はjvendata->x[t],givendata->y[t]

とし、cal-coutput()も変異を表す。

(3) 従来のpred (は msp(多段を測),従来のtest はssp(一段予測)の観点から

サブルーチン名や変数名などを変更した(結構大幅な変更)。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ) exec_sim()の治中で一段予띌 (asb)と多段予띌 (msb)の眼滴なネットを保存るようにした。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        03.0716e
(1)時音の解像度は1/15であり、かつ有効数字 6桁まで (例えば0.066667⇔1/15)
のようだ。これに対応できるように calc_output ()で特殊処理した。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (1) Torenz や07train は学習回数が小さく、widthが小さい方が良いみたい?(2) カオス時系列を発生させるRungeKutta法との検討を行った。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (2) exec_msp_test()でデータの解像度が正整数などのとき、予測値は実数、
誤業化すの解像度で評価するようにした。
そのため calc_output()(洋第3円数を追加し
NBT *net, FLOAT *x, FLOAT *yz) とした。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         030723e
(2) 蔣像度をより一般化した。
(2) 正規化を導入: 正規化した信号で学習と予測を行い、近にもどして誤差を
遡るようにした。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (1) Santafe data (A.datA.cont)のためcalc_output()で整数型を導入→
exec_simの入力が1つ増えた。
(2) Santafe dataにはn1を別にしたほうが良いみたい。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       init_net_batch(net, train->x, n_train);は2つのルーチンで構成:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2.データを同じにするため nl=n_channels+1;としても同様の結果 (> 1000 MSE6,702745e-09)2,628532e-06) 3.am.cの(g(0).Pの)期値の影響の可能性 → N==1のとき> 1000 MSB3.541228e-07;3,230648e-02(AM_VER==1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (a-1)init_batch_wvector(net, x, n_train);
(a-2)init_Voronoi(net->V,net->n_cells,net->k,n_train);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (1) 短期予測結果を学習して、より長期の予測を行う方法を導入
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       n1=(V->i2v[i]+3)*(1./GlobalTime-1./GlobalTimeMax);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (a)init_net_batch(net, train->x, n_train);O \&
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (b-1)calc_Voronoi(net,x_train,y_train, n_train);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               mackeypo.sh, rosslerpo.sh, lorenzpo.sh を参照
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   変更履歴まとめ(本当はもっと多く変更)--- history

 reinit_cell_batch()を検討した。

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           コマンドは po。使いかたは
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1)n1が変だったので修正。
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               030708m
(1)大幅に変えた:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      030726m
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            030725m
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        030717m
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  030709e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        030713
```

(1) MSEでなくNMSE (MSEを信号の標準偏差で割ったもの)を出力するようにした。

030704m

(b-3)calc_alpha(net, x_train, y_train,n_train);
(b-4)reinit_cell_batco(net, x_train, y_train,n_train)
(b-5)modify_w_batch(net, x_train, y_train,n_train)

(b-2)modify_M_batch(net, x_train, y_train);

(1)my_function.c \overline{C} nl=bidata->m[i])*

(1) reinit_w_batchを修正

030702m 030701e

22384 22386 22387 22388 22388 22390 22392 22393 22394 22395 22395 22396

(1./GlobalTime-1./GlobalTimeMax); を導入

(1) modify w batch での梅重修正を一括して行うようにした。 (2) ReinitRandom のところを少しかえた。(ReinitRandomはあまり良くない)

(1) modify_w_batchで遠ざける処理を導入。 (2) modify_w_batchでerr_iの正規化処理を導入。

030629m 030629e

030628e

22397

(1)v_iは相対値v_i/v_maxとした→v_threshは0~1の範囲にする。 (2)store_vector_batch(in my_blinn.c)のソート対策が開催ってた。 (3)store_vector_batch(in my_blinn.c)のソートが逆だった。 (4)int_batch ivector (in my_blinn.c) のソートが逆だった。 (5)sigma_batch ivector (in my_bunction.c)をちょっと変えた。 (5)sigma_batch in my_bunction.c)をちょっと変えた。 (6)net->xmin,ymaxを導入→calc_outputを変えた。 (6)net->xmin,xmaxを導入→calc_outputを変えた。 (7)関数定成もできるようにした。

```
./data/rossler10000_le-3_400.dat #training file
5.000 4000 #Trainin y0max. Throat: points in time of training and total data
0 0 0 #y0min y0max. Thrin y1max for normalization
                                                                                                                                                                                              #0:timeseries,1:chaos prepare_data() in my_function.c
                                                                                             >86sspl.0633e-05(3.9526e-07)5lmspl.2673e+00(4.7109e-02)N350k9w0.9vm3
>33sspl.1494e-05(7.9901e-07)7mspl.3992e+00(5.2013e-02)N340k9w0.9vm3
>75sspl.36781e-05(1.3573e-06)15mspl.7966e-01(2.1548e-02)N330k9w0.9vm3
>100sspl.1366e-05(1.1883e-06)30mspl.3315e+00(4.9496e-02)N320k9w0.9vm3
>100sspl.1277e-04(4.1919e-06)8mspl.3315e+00(7.2107e-02)N330k9w0.9vm3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #execute learning, test and prediction
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #i_times # iterations to execute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #y0min y0max y1min y1max for normalization
                                                                                                                                                                                                                                                                                                                                   #show training data show_data_parms(train);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #n_cells #storing vectors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #window width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #0:timeseries,1:chaos
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #show network params
#show batch params
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #show training data
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #d_times #display
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #prediction file
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #v_thresh vmin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #training file
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #channels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #n_compare
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #init net
                                                                                                                                                                                                                                                                      #n_cells storing vectors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #0:online,1:batch
                                     PXPC11FP
                                                                                                                                                                                                                                                                                                                                                                                          #0:online,1:batch
                                                                                                                                                                                                                                                                                                                     window width
                                                                                                                                                                                                                                                                                                                                                          #show network params
                                                                                                                                                                                                                                                                                             #v thresh vmin
                                                                                                                                                                                                                                                                                                                                                                    #show batch params
#show batch params
           #execute
#0:online,1:batch
                                   #iterations to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ./data/07train5e4.dat
                                                                                                                                                                                                           #channels
                                                                                                                                                                                                                                                                                   #n compare
                                                                                                                                                                                                                                                                                                          #v_ratio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /data/07test.dat
                                               #display
                                                                                                                                                                                                                                                                                                                                                                                                                      #display
                                                                                                                                                                                                                                                                                                                                                                                 #execute
                                                                                                                                                                                                                                                                                                                      #width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              bestssp.net
                                                                         bestmsp.net
                                                                                                                                                                                                                                                                                                                                                                                                                                             bestmsp.net
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0 0 0 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.53
                                                                                                                                                                                                                                                                                             0.5 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                can2
                                                                                                                                                                                                                                                                      300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    500
                                                                                                                                                                                                                                                                                                                     0.9
gs
                                                                                                                                                                                                        10
                                                                                                                                                                                                                                                                                                                                                                      gp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     gp
            ëX
                                                                                                                                                                                                                                                                                                                                                                                                                                                       224994
224495
224496
224497
224499
225500
225501
225504
225504
225506
225506
225506
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               22508
22509
22510
22511
22512
22513
                                                         22462
22463
22464
22465
22466
22466
22467
22469
22470
                                                                                                                                                                                             22473
22474
22475
                                                                                                                                                                                                                                                          22478
                                                                                                                                                                                                                                                                                                        22482
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              22516
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          22529
                                                                                                                                                                                                                                22476
                                                                                                                                                                                                                                               22477
                                                                                                                                                                                                                                                                      22479
                                                                                                                                                                                                                                                                                 22480
                                                                                                                                                                                                                                                                                                                                  22484
                                                                                                                                                                                                                                                                                                                                                                                22488
                                                                                                                                                                                                                                                                                                                                                                                                          22490
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         22518
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              22528
                                                                                                                                                                                                                                                                                             22481
                                                                                                                                                                                                                                                                                                                                             22485
                                                                                                                                                                                                                                                                                                                                                          22486
                                                                                                                                                                                                                                                                                                                                                                                           22489
                                                                                                                                                                                                                                                                                                                                                                                                                                  22492
                                                                                                                                                                                                                                                                                                                                                                                                                                             22493
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  22515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           22521
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       22522
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       22526
                                               22461
                                                                                                                                                                                                                                                                                                                                                                                                                      22491
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  22523
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                22524
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   22527
                                                                                                                                                                                                                                                                                                                                                                      22487
```

.0 #channels /data/rossler5000_le-3_100.dat #training file 2000 4000 #Trzain.7tota1: points in time of training and total data 0 0 0 #y0min y0max y1min y1max for normalization

2000 4000

#n_cells storing vectors

#n_compare #v_thresh v_min

0.53

320

22418 22419 22420 22421 22422 22423

#v_ratio

#width

22424

#show training data show_data_parms(train);

window width

#iterations to execute

007

bestmsp.net

22433 22434 22431 22432

dsw

#i=0:online,i=1:batch

#execute

22426 22427 22428 22429 22430

#show network params

#0:timeseries,1:chaos prepare_data() in my_function.c

(1)can_20030611.tar.bz2 がオリジナル --- 030722以降の実行例 ---examples ●関数近似 function approximation

030611

222398 222399 2222400 2222400 2222400 2222400 2222400 222410 22241111 2224113 2224113 2224113 2224113 2224113 2224113

22534 031204100ssp7.6526e-06;6.2577e-05msp4.5490e-01;3.7198e+00ssp03.2510e-04N500k2w0.8vm3??/031204の変更を したもの、02dataではよくない!

040107>96sspl.1927e-05(9.7528e-05)N500k2w0.8vm3

22531

030725e>100ssp2.8390e-05(1.0492e-06)88msp9.1745e-01(3.3904e-02)N320k10w0.9vm3

030725e>72ssp4.3884e-06(1.6217e-07)77msp2.2714e+00(8.3939e-02)N320k10w0.9
030722m>64ssp2.5341e-05(9.3646e-07)4msp1.6834e+00(6.8861e-02)N320k10w0.9
>100ssp2.5986e-05(9.6030e-07)88msp2.7531e+00(1.0174e-01)N320k10w0.9
>10ssp3.2406e-05(1.97876e-06)6msp3.1384e+00(1.1589e-01)N320k10w0.9
>50ssp5.2316e-05(1.9333e-06)3msp3.7621e+00(1.3903e-01)N500k10w0.9

/data/rossler10000_ie-3_400.dat #training file
500 5500 #Trzain.Trocai: points in time of training and total data
1 0 0 #Yomin yomax yimin yimax for normalization

#n_cells storing vectors

300

#v_thresh vmin

0.53

#v_ratio

#width

#n_compare

#show training data show_data_parms(train);

#show network params

window width

#0:timeseries,1:chaos prepare_data() in my_function.c

#channels

can2

22435 22436 22437 22437 22438 22440 22441 22442 22442

>94ssp1.1179e-05(9.1417e-05)N500k2w0.8vm3

030725m> 71sspl.1116e-05(9.0896e-05)N500k2w0.8vm3 030723e> 77sspl.173389e-05 9.595103e-05 N500k2w0.8

```
22642
22643
22644
22645
22646
22646
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     22678
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    22696
22697
22698
22699
22699
                                                                                                                                                                                                         22632
22633
22634
                                                                                                                                                                                                                                                             22635
22636
22637
22638
22639
22639
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      22649
22650
22651
22652
22653
22654
22655
22656
22667
22660
22660
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              22663
22664
22664
22665
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   22671
22672
22673
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           22684
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              22691
                                                                                                         22626
                                                                                                                                           22628
                                                                                                                                                           22629
                                                                                                                                                                           22630
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    22648
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   22667
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   22668
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   22669
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   22670
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         22674
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             22683
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                22688
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                22689
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                22690
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    22695
                                                                                       22625
                                                                                                                                                                                           22631
                                                                                                                                                                                                                                                                                                                                                                   22641
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         22675
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         22676
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           22679
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             22680
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             22682
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                22686
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                22687
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    22693
                                                                                                                           22627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             22681
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    22694
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #Ttrain, Ttotal: points in time of training and total data #yOmin yOmax yImin ylmax for normalization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #Ttrain, Ttotal: points in time of training and total data
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #0:timeseries,1:chaos prepare_data() in my_function.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #0:timeseries,1:chaos prepare_data() in my_function.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #init_net
                                                                                                                                                                                                                                                                                                                                                                                                                    #i_times # iterations to execute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #y0min y0max y1min y1max for normalization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Cf.bestSVR MSEI 4996-02 =0.014996 #ofdata=2e3 onlineCAN2 MSEI.990468-02=0.01990468
                                                                                                                                                                       /data/02test.dat #prediction file 0 0 0 #y0min y0max y1min y1max for normalization
                                                                                                                                                                                                                           #n_cells #storing vectors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #show training data show data parms(train);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #show training data show_data_parms(train);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        030725m> 52sspl.1347e-02(4.5550e-02)N500k2w0.1vm2
                                                                                                                                                                                                                                                                                                 #window width
                                                                                                                         #0:timeseries,1:chaos
                                                                                                                                                                                                                                                                                                                                                 #show network params
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ./data/lorenz11000_le-4_500.dat #training file
                                                                                                                                                                                                                                                                                                                   #show training data
                                                                                                                                                                                                                                                                                                                                                                                                                                    #d_times #display
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                L0 #channels
./data/lorenz10000_le-4.dat #training file
                                                                                                                                         #channels
#training file
                                                                                                                                                                                                                                                               #v_thresh vmin
                                                                                                                                                                                                                                                 #n_compare
                                                                   NMSE2.155668e-04;3.720825e+00 N500
                                                                                                                                                                                                                                                                                                                                                                                   #execute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #n_cells storing vectors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #n_cells storing vectors
                                                                                                                                                                                                                                                                                               #width
                                                                                                                                                                                                                                                                                 #v_ratio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #iterations to execute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 window width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      window width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #show network params
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #show network params
                                                                                                                                                                                                                                                                                                                                                                                                  #0:online,1:batch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #0:online,1:batch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #v_thresh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #v_thresh
                                                                                                                                                         ./data/02train5e4.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ● 時系列 timeseries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #n_compare
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #channels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #n_compare
                                                                                                                                                                           ./data/02test.dat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #v_ratio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #v_ratio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #display
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #execute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10000 10300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        bestssp.net
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         bestmsp.net
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4000 4500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0 0 0 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.5 3
                                                                                                                                                                                                                                                             0.5 2
                                                                                                         can2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            can2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               can2
                                                                                                                                                                                                                             200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  200
                                                                                                                                                                                                                                                                                                                                                                                                                  100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         007
                                                                                                                                                                                                                                                                                                                                                   sn
                                                                                                                                                                                                                                                                                                                                                                   gg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       sp
                                                                     225 44 2225 44 2225 44 2225 44 2225 44 2225 44 2225 44 2225 44 2225 44 2225 45 42 225 45 42 225 45 42 225 45 42 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 225 45 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           22598
22599
22600
22601
22602
22603
22604
22606
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2225608
2226609
2226611
2226611
2226613
2226614
222616
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2225582
2225583
2225583
22255883
2225588
2225589
2225589
2225589
2225584
2225584
2225584
```

```
030717> 47 MSEL.336571e-04;2.357905e+01 NMSE2.122590e-06;3.74458e-01N800k10

トこの 熟養 ki sigma=le-5~le-6のシステム 誤差が加わった 応答とほぼ等しい。
(.../gmp/examples.kuro/でgnuplotを実行し、
plot (2000:5000) "mackey10000_le-3_p128.dat" using 0:1,"mackey5000_le-3_p128_2000+le-5.dat" using 0:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    . plot [4000:4500] "lorenz10000_le-4.dat" using 5:1, "lorenz5000_le-4_le-5.dat" using 5:1
習
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #define SLMODE 1 % chaosgmp 1002 10000 1e-4 250 > lorenz10000_le-4.dat
#define SLMODE -1 % chaosgmp 1002 10000 1e-3 25 > lorenz10000_le-4_le-3.dat
#define SLMODE -1 % chaosgmp 1002 5000 1e-5 2500 > lorenz5000_le-4_le-5.dat
plot [4000:4500] "lorenz10000_le-4.dat" using 5:1, "lorenz10000_le-4_le-3.dat" using 5:1
plot [4000:4500] "lorenz10000_le-4.dat" using 5:1, "lorenz5000_le-4_le-5.dat" using 5:1
can2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Minimum MSE(NMSE) for ssp and msp: 03.075ms.bcsp.21.8008-05(2.6880e-04)NZ00K40w0.2 03.075ms-100ssp1.35ms-50ssp2.273e-06(3.0399-04).2.26ms-05.280ssp1.5615e-06(3.0399-05).280ssp1.1998-04(2.3338e-03)N500K40w0.2 03.0723e-5 50ssp1.640e-06(3.2782e-05).280ssp1.3052e-04(2.5409e-03)N500K40w0.2 03.0717 > 28 MSEL1.73442e-06;1.30524e-04 NRSE3.37638e-05;2.540906e-03N500K40w0.2 03.0718e- 14 MSE3.19304a-06;1.208829e-02NNSE1.3348e-05;2.540906e-03N500K40w0.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                030725m>>100ssp1.4081e-05(2.2362e-07)15msp3.8052e-01(6.0430e-03)N500k10w0.9vm3 1100ssp2.0189e-05(3.2062e-07)4msp2.7902e+01(4.4310e-01)N800k10w0.9vm4 >100ssp2.11517e-06(1.8291e-08)79msp4.6014e+01(7.3117e-01)N300k10w0.9vm4 >100ssp2.1793e-06(8.2322e-08)msp3.689957e-01(5.8600e-01)N400k10w0.9vm4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        030717>12 MSE1.712460e-04;3.371515e+01 NMSE2.719536e-06;5.354259e-01 N800k10 030712e>10 MSE1.268072e-05;1.588170e+01 NMSE2.013809e-07;2.522153e-01N800W0.1 030712e>10 MSE7.867260e-06;5.320000-641 NMSE1.249389e-07;2.242678e-01N50 RUDGEKULta刻み幅1e-4で 性放 と降系列 / data/1orenz10000_1e-4.datのCANZ での予測は RungeKutta刻み幅1e-5で生成した時系列メリも良い。
                                                                                                                                                                                                                                                                                                                                                                                 #Ttrain, Ttotal: points in time of training and total data #YOmin yOmax ylmin ylmax for normalization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      030723e>88ssp1.2917e-04(2.0513e-06)50msp2.3147e+00(3.6760e-02)N800k10w0.9
                                                                                                                                                                                                                                                                      #0:timeseries,1:chaos prepare_data() in my_function.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #0:timeseries,1:chaos prepare_data() in my_function.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       >1005spl.6170e-05(2.5679e-07)20msp2.9930e+01(4.7531e-01)N500k10w0.9vm4

>100sspl.944e-05(3.0853e-07)64msp2.445e-641(3.8888e-01)N000k10w0.9vm3

>70sspl.9020e-05(3.0206e-07)10msp3.3998e+01(5.3922e-01)N700k10w0.9vm3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #0:timeseries,1:chaos prepare_data() in my_function.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ./data/mackey10000_le-3_p128.dat #training file
2000 4000 #number of training data get_data_parms in my_function.c
0 0 0 0 #yOmin yOmax ylmin vlmax for normaliartina
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /data/wackey10000_le-3_p128.dat #training file
2000 8000 #number of training data get_date_parms in my_function.c
0 0 0 #vonin yonax ylmin ylmax for normalization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        >53ssp7.1028e-06(1.1280e-07)45msp5.5793e+01(8.8605e-01)N400k10w0.9vm3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #show training data show_data_parms(train);
                                                                                                                                                                                                                                                                                                                                             ./data/lorenz10000_le-4.dat #training file
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100 #display
****最適多段予測結果を示すネットの読込み
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #n_cells storing vectors
#0:online,1:batch
#iterations to execute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #iterations to execute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       window width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #show network params
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #n_compare
#v_thresh vmin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #0:online, 1:batch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #show batch params
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #channels
                                                                                                                                                                                                                                                                                                              #channels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #v_ratio
                                                                                #display
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     msp
***より長期予測
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                をして確かめよ。
                                                                                                                                                  bestmsp.net
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     bestmsb.net
                                                                                                                                                                                                                                                                                                                                                                                     5000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2000 8000
                                                                                                                                                                                                                                                                                                                                                                                                                         0 0 0 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0 0 0 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     40 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        40 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                200
    1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100
                                                                                                                                                                                                   msp
1d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          qs
```

0.000000000000000000000000000000000000
thing eties, 1: these prepare_data() in wy_function.c The far integ (its The far integ (its) The far integers of its for the resolution rivers Think far integers of its for the resolution rivers Think far integers of its for the resolution in the far integers of its for the resolution in the far integers of its for the resolution in the far integers of its for the resolution in the far integers of its for the far old of its for the far of
##################################
$\begin{array}{c} 2 & 2 & 2 & 2 & 2 & 2 & 2 & 2 & 2 & 2 $

Page 344

Dec 05 2019 13:52:41 readmecan2mspeech.txt

```
plot [9000:10000] "lorenz9000_10000_1e-3_p128.dat" using 0:1,"lorenz10000_1e-4_p128.dat" using 0:1
0307128-10 WB21.266079-0-19.3.3.1.2158-101 NWSE2.719536e-06;5.354259e-01 N800k10 0307128-10 NB212.66079-051.5881708-01 NWSE2.0138090-0713.5252138-0.10800W0.1 0307128-10 NSE7.867266-06:5.52000704-01 NWSE2.013999-0719.242678e-01N500 RungeKutta刻み幅1e-4で生成した時系列、/data/lorenz10000_1e-4.datのCaN2 での予測は RungeKutta刻み幅1e-5で生成した時系列よりも良い。
                                                                                                                                                                                                                                                                             #define SLMODE 1 T chaosgmp 1002 10000 1e-4 250 > lorenz10000_le-4.dat
#define SLMODE -1 T chaosgmp 1002 10000 1e-3 25 > lorenz10000_le-4_le-3.dat
#define SLMODE -1 T chaosgmp 1002 5000 1e-5 2500 > lorenz5000_le-4_le-5.dat
plot [4000:4500] "lorenz10000_le-4.dat" using 5:1, "lorenz5000_le-4_le-3.dat" using 5:1
plot [4000:4500] "lorenz10000_le-4.dat" using 5:1, "lorenz5000_le-4_le-5.dat" using 5:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #display
100 MSE2.509255e-04;8.770646e+01 NMSE3.983612e-06;1.392399e+00 N300
NMSE1.427048e-0411.253523e+02 NMSE2.265535e-06;1.990052e+00 N300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ..data/lorenz10000_le-4_p128.dat #training file
9000 10000 #Ttrain,Ttotal: points in time of training and total data
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    030716m>10 MSE1.061265e-06;1.027629e+02 NMSE1.672778e-08;1.619761e+00 N300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ./data/lorenz10000_le-4_p64.dat #training file
1500 2000 #Ttrain,Ttotal: points in time of training and total data
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #Ttrain, Ttotal: points in time of training and total data
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #0:timeseries,1:chaos prepare_data() in my_function.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #0:timeseries,1:chaos prepare_data() in my_function.c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #0:timeseries,1:chaos prepare_data() in my_function
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 #i j k :i=0:online,i=1:batch, j/k/\!\! 分解能 (resolution) #iterations to execute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #i j k :i=0:online,i=1:batch, j/kは分解能(resolution) #iterations to execute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     #i j k :i=0:online,i=1:batch, j/kは分解能(resolution)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #show training data show_data_parms(train);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #show training data show_data_parms(train);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #show training data show_data_parms(train);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ./data/rossler4000.dat #training file
2000 4000 #Ttrain, Ttotal: nointe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #n_cells storing vectors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            #n_cells storing vectors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #n_cells storing vectors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #iterations to execute
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   window width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     window width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  window width
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      #show network params
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #show network params
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #show network params
```

10 #channels ./data/lorenz500_le-7.dat #training file

499 500

23033 23034 23035

in 500

#n_cells storing vectors

#n_compare #v_thresh

window width

#v_ratio #width

10 0.9

Page 346

yyhat2mse mackey10000_1e-3_p128.dat mackey5000_1e-3_p128_2000+1e-5.dat 2001 5000 > mse.dat ../gmp/examples.kuro/yyhat2mse ./data/mackey5000_le-3.dat ./temp.dat 2001 5000 > mse.dat 030717> 56 MSEL.260689e-08;2.381440e-03 NMSE2.454171e-07;4.635927e-02 N100k40 > 8 MSE4.173779e-08;3.928764e-03 NMSE8.125056e-07;7.648088e-02N100k40 #0:timeseries,1:chaos prepare_data() in my_function.c 3307099×10 MSE1.459719e-07;2255136e-02 NNSE2.837617e-06;4.461625e-01 N100 0307099×10 MSE1.48912e-07;8.871068e-03 NNSE2.23442e-06;1.734949e-01 N100 0307099×10 MSE1.165091e-07;8.446379e-03 NNSE2.264877e-06;1.641932e-01 N100 × 100 MSE4.455066e-08;9.44194e-02 NNSE8.66418e-07;1.874344e+06 N100 #number of training data get_data_parms in my_function.c plot [2001:5000] "mse.dat" using 6:1 t "rmse", "mse.dat" using 6:3 t "e" plot [2001:5000] "mse.dat" using 6:1 t "rmse", "mse.dat" using 6:3 tとして比較。 #0:timeseries,1:chaos prepare_data() in my_function. /data/mackey4000.dat #training file 000 4000 #number of training data get_data_parms in my_function.c #show training data show_data_parms(train); /mackey4000_2000_2200.dat #filename #n_cells storing vectors #finish #n_cells storing vectors #steps #execute #0:online, 1:batch #training file #iterations to execute window width #show network params #pred_out /gmp/examples.kuro/℃ #channels set data style lines set data style lines #n_compare #v_thresh #channels temp.dat をしたあと、shellで #v_ratio #display #width ./data/a.dat 2001 または、↑で gnuplot 1 0 1 can2 can2 2000 100 0.5 0.2 200 20 sn gp od 20 23119 23120 23121 23122 23123 23124 23125 23126 23127 23127 23128 23129 23147 23153 23154 23155 23155 23156 23158 23159 23160 23161 23162 23164 23164 23165 23166 23166 23166 23167 23172 23173 23174 23130 23134 23135 23136 23139 23140 23142 23145 23146 23149 23150 23176 23131 23132 23133 23138 23141 23144 23151 23152 23143 23171 030717 > 28 MSEL.734424e-06;1.305244e-04 NMSE3.376386e-05;2.540906e-03N500k40 030718e> 14 MSE3.193041e-06;1.208829e-02 NMSE1.318319e-05;4.990925e-02 NSO0K40w0.2 10 MSEI.873005e-05;5.502901e+01 NMSE3.361462e-07;9.875994e-01 N500K10w0.9 10 MSEI.961993e-05;5.311004e-01 NMSES.221006e-07;9.35192a-01 N800K10w0.8 10 MSEI.369495e-05;1.202579e+02 NMSE2.457817e-07;2.15825e+00 N500K12 10 MSE2.848007e-04;9.813702e+00 NMSE1.084743e-05;3.737824e-01 N300k10 U MSE2.770285e-04;7.77966e-00 NMSE1.05514e-05.27.73393e-01 N400k10 U MSE2.484028e-04;9.377020e+00 NMSE2.46118e-06;3.571501e-01 N500k10 U MSE2.484028e-04;9.77020e+0 NMSE9.46118e-06;3.571501e-01 N500k10 U MSE1.748636e-04;9.7702349e+01 NMSE6.660172e-06;5.57595e-01 N500k1 U MSE5.049713e-04;9.7702534e-00 NMSE1.933325e-05;3.725952e-01 N500k8 U MSES.049713e-04;9.770234e-00 NMSE1.233325e-05;3.725952e-01 N500k8 #Ttrain, Ttotal: points in time of training and total data #0:timeseries,1:chaos prepare_data() in my_function.c #0:timeseries,1:chaos prepare_data() in my_function.c in my_plinn.c ./data/lorenz5500.dat #training file 5000 5500 #number of training data get_data_parms in my_function.c in my_plinn.c in my_plinn.c #show training data show_data_parms(train); #width window width
#show training data show_data_parms(train); #show training data show_data_parms(train);

init_net()

#iterations to execute

#display

10 # 10 30710> 030710> 030710>

23071 23072 23073 23074 23074

can2

#show network params #0:online, 1:batch

#n_cells storing vectors

in 500 20

#channels

#n_compare

#v_thresh

#v_ratio

#width

23057 23059 23059 23060 23060 23065 23065 23066 23066 23066 23066 23067

window width

init_net()

#0:online, 1:batch #iterations to execute

#display

#execute

#show network params

s p in my_plinn.c

init_net()

#execute
#0:online, 1:batch
#iterations to execute
#display

23186 23187 23188 23189

> _28 MSE1,734424e-06:1.305244e-04 MNSE3.376386e-05:2,54096e-03 N500k40w0.2 ↑この開送はatama=1e-2e-1e-07 メテム開送が加わった応答とほぼ等しい。 (.../gmp/examples.kuro/gmuplotを実行し、

#number of training data get_data_parms in my_function.c

./data/mackey5000_le-3.dat #training file

2000 5000

#channels

このあと

23097 23098 23099 23100

#0:timeseries,1:chaos prepare_data() in my_function.c

init_net()

#0:online, 1:batch

#execute #display

1 0 1

100

#show network params

#iterations to execute

#n_cells storing vectors

200

#n_compare

#v_ratio

2230094 2230096 2233030007 2233030007 2233088 2233088 2233088 2233088 233099 233099 233099 233099 233099 233099

#show network params

sn

23183 23184 23185

#show training data show_data_parms(train);

window width

#n_compare #v_ratio #width w

0.5

23180

23179 23182

23178

030704m> 100 NMSE3.788421e-03:3.119250e-01(k90N1) 030704m> 100 NMSE3.701651e-03.2.835835e-01(k90N2) 030704m> 100 NMSE3.751651e-03:9.901982e-01(k90N3) 030704m> 100 NMSE3.751651e-03:9.901982e-01(k90N3) 030704m> 100 NMSE4.20152e-03:8.618851e-01(k90N3) 030704m> 100 NMSE6.1281529e-03:1.910695e+010(k90N5) 030704m= 100 NMSE6.118438a-03:1.561021e+00(k50N10)

23194 23195 23196 23197 23199 #execute 50 MSE2.636177e-05;4.550214e-01 NMSE2.155668e-04;3.720825e+00 N500

030708>

#show network params #show batch params

#window width

#width

#v_ratio

#v_thresh #n_compare

#show training data

#prediction file
#0:online, 1:batch //init_net
#1.times #1.terations to execute
#d_times #display
#n_cells #storing vectors

#0:timeseries,1:chaos

--- 030705m以前の実行例 ---●関数近似

#training file

./data/07train5e4.dat ./data/07test.dat

100

#0:timeseries,1:chaos prepare_data() in my_function.c #0:timeseries,1:chaos prepare_data() in my_function.c #number of training data get_data_parms in my_function.c
nline, 1:batch init_net() in my_plinn.c #number of training data get_data_parms in my_function.c
nline, 1:batch init_net() #width window width
#show training data show_data_parms(train); /data/mackey-glass.dat #training file #iterations to execute #n_cells storing vectors #show network params #0:online, 1:batch #n_compare #v_thresh #channels #v_ratio #width w #display 1000 2001 can2 223320 223320 233321 22333224 22333224 2233325 2233332 2233333 2233333 2233333 2233333 2233333 2233333 2233333 2233333 2233334 2233333 223333 223333 223333 22333 22333 22333 22333 22333 22333 22333 22333 22333 22333 22333 22333 22333 22333 22333 22333 22333 22333 2233 23348 23349 23350 23351 23352 23353 23343 23344 23345 23346 23342 23347

#training file
#prediction file
#0.conline, 1:batch
#i_times # iterations to execute

#0:timeseries,1:chaos

#channels

./data/02train5e4.dat ./data/02test.dat

100

23232

23234 23235 23236 23237 23237

23240 23239

Can 2

23220 23221 23222 23222 23224 23226 23226 23227 23228 23228 23228 23228 23228

"n_cells #storing vectors

#n_compare #v_thresh

#v_ratio

#width

#window width

#show training data

#show network params

#execute

233241 233241 233244 233244 233244 233250 233252 233253 233254 233255 233255 233255 233255 233255 233255

#0:timeseries,1:chaos prepare_data() in my_function.c

#channels

./data/a.dat

2001

23259 23260 23261 23262 23263 23263

●時系列

can2

#training file
#number of training data get_data_parms in my_function.c
#0:online, libatch init_net() in my_plinn.c

#width window width
#show training data show_data_parms(train);

show network params

#n_cells storing vectors

100

#n_compare

#v_ratio #width v #v_thresh

#iterations to execute #display

23434 23435 23435 23437 23437 23438 23440	sr #width #window width sr #show training data n #show training data sn #show network params sb #show batch params > 100 MSE6.402973e-05 noReinitRandou
23441 23442 23443 23444 23444 23446 23446	
23448 23449 23450 23451 23451 23452	rations to execute storing vectors
23453 23454 23455 23456 23457 23457 23459	0
23461 23462 23463 23464 23464 23465	9 1000 MSE5.282576e-09;3.824018e-06 noReinitRandom > 1000 MSE6.596191e-09;1.085559e-06 > 1000 MSE5.197762e-09;1.649058e-05 > 1000 MSE6.546861e-09;4.542019e-06
23468 23468 23469 23470 23471 23472 23473 23474 23475 23476 23477	030628 (1)(can2b_030628mlk pretty good . (2)wの次元をn_channels にした。→・./can2b_030628n 結果が違うのはなぜ??? 030627 (1) 組み込み 関数 rand()を使うと、異なる計算機で異なる結果がでる可能性があるので myrandom()も導入した。ただしLinuxなら同じ結果になるようだ。 ./share/random()も導入した。ただしLinuxなら同じ結果になるようだ。 make clean make
23478 23479 23480 23481 23482 23483 23483	./can2b_030625e) #0:timeseries,1:chaos prepare #training file r of training data get_data_parms!
23486 23486 23487 23488 23489 23490 23491 23492 23492	#0:online, l:batch init_net() in my_plinn.c #1.erations to execute #1.erations to execute #1.erations to execute #1.erations to execute #1.erations #
23494 23495 23496 23497 23499 23500	00 MSE6.5
23501 23502 23503 23504	(2) function approximation time can2 #0:timeseries,1:chaos # #0:timeseries,1:chaos # #channels //data/07train5e4.dat #training file

#window width

#show network params

#show batch params

#execute

#show network params #show batch params 23603

<<iif(GlobalTime<=2) n=(n_channels+1)+10; in my_function.c</pre>

#training file
#prediction file
#online, 1:batch
#i_chmes # iterations to execute

./data/02train2e3.dat ./data/02test.dat

100

23527 23528 23529 23530 23531 23532 23532

#0:timeseries,1:chaos

> 100 MSE3.772715e-05; funciton no.07 > 100 MSE1.651665e-02; function no.02 030625

#d_times #display #n_cells #storing vectors #n_compare

#window width

#v_thresh #v_ratio #width #wi

23534 23535 23535 23536

23538

#show training data

#show network params

#execute

prepare_data() in my_function.c unneis ss.dat #training file #number of training data get_data_parms()in my_function.c ''''''''''' in my_plinn.c #0:timeseries,1:chaos #channels /data/mackey-glass.dat 23620

#n_cells storing vectors #0:online, 1:batch #v_thresh #display 1000 100 23623 23624 23625 23626 23622

#show training data show_data_parms(train); window width #v_ratio #width 20.0 23627 23629 23630

#show network params #execute 030623 23631 3632 23633

#training file
#prediction file
#foronline, 1:batch
#i_cimes # iterations to execute

#0:timeseries,1:chaos

> 100 MSE2.33e-02<
> 100 MSE2.35e-02 <<.v=n0_ivectors
> 100 MSE2.33e-02<<<.v=n_ivectors

23540 23540 23541 23541 23542 23544 23544 23546 23546 23546 23550 23550

#channels

./data/07train5e4.dat

100

23552

23553 23554 23555 23556 23556

23558

#d_times #display #n_cells #storing vectors

#window width

#v_ratio #width

#v_thresh #n_compare

(1)for time series can2 23638 23634 23635 23636 23637

#0:timeseries,1:chaos #channels 23640 3639

prepare_data() in my_function.c

unnels ss.dat #training file #number of training data get_data_parms()in my_function.c ---:-- |:batch init_net() in my_plinn.c #0:online, 1:batch /data/mackey-glass.dat 23641 23642 23643

#display #n_cells storing vectors #v_thresh #v_ratio #n_compare 20.02 1000 100 23644 23648 23646 23647

#width window width
#show training data show_data_parms(train); #show network params #show batch params #width 100.0 23651 23650 23649

prepare_data() in my_function.c

#0:timeseries,1:chaos

#training file

#channels

23560 23561 23562 23564 23564 23565 23566 23566 23569 23569

./data/mackey-glass.dat 2001

#iterations to execute #display #n_cells storing vectors #n_compare

#0:online, 1:batch

> '100 MSE6.84e-05;4.55e-01 "<n2=n1*2-n0&& use bidata->m0 myrandom >> 90 MSE6.75e-054;4.55e-01<-n2=n1*2-n0&& use bidata->m0 myrandom >> 100 MSE6.75e-05+4.55e-01

#execute

#show network params #show training data

#number of training data get_data_parms()in my_function.c
nnline, 1:batch init_net()

#v_ratio5.0 > 1000 MSE1.23e-08;1.15e-05 c -1 α (min 59 MG0) T_RIO.0e+00 tau_E8.0e+04 #v_ratio100.0.> 1000 MSE1.23e-08;1.15e-05 c -1 α (min B1 MG0) T_RIO.0e+00 tau_E8.0e+04 #can_2.20030611>:1000 MSE1.23e-0581.15e-05 c-1, α (min59, NG0), T_R RIO.0e+00, tau_E8.0e+04 +090 MSE6.30e-09;3.61e-06 c -1 α (min 82 MG0) T_RIO.0e+00 tau_E8.0e+04 23653 23654 23655 23656 23656 23657 23658

#0:timeseries,1:chaos #channels #training file (2)function approximation ./data/07trainle4.dat /data/07test.dat can2 23660 23661 23662 23663 23664 23665 23665

#prediction file
forming to latch
#i_times # iterations to execute
#d_times #display
#n_cells #storing vectors #v_ratio #n_compare #v_thresh #width 1000.0 100 23667 23668 23669 23670 23671 23672 23673 23674

prepare_data() in my_function.c

#0:timeseries,1:chaos

#training file

#channels

(1) new modify_w_batch can2

./data/mackey-glass.dat

2001

23581 23582 23582 23584 23584 23586 23586 23586 23589

#show network params

#show training data show_data_parms(train);

window width

#width

#v_thresh #v_ratio

100 100 20 1000.0 1000

23572 23573 23574 23575 23576 23577 23577

#number of training data get_data_parms()in my_function.c
nline, 1:batch init_net()

init_net()

#0:online, 1:batch i

#n_cells storing vectors

#display

#window width #show network params #show training data

can2

Dec 05 2019 13:52:41

23762 20

readmecan2mspeech.txt

23./62	20 #channels	
23764	/data/mackey-glass.dat #training Ille ! 2001	
23765	1 #0:online, 1:batch init	
23766	1000	
23763		
23769	20	
07.7.62		
237752	0.5	
23773	sr #show tra	
23774	u	
23775	sn #show hetwork params sb #show batch params	
23777	ex	
23778		
23780	#(1) get_function_id(&fid, fname);	in my_function
0.		
23/81		
23783	#(2) init_time_data(fid, fname);	in my_function
.c for	chaos?	
23784	<pre>i #(3) get_data_parms(&n_channels, &train_steps, &pred_steps, total_steps);</pre>	in my_function
23785		
23787	' #(4) train =init_data(tdata->x, TRAIN, fid, n_channels, train_steps, total_steps);	in my_function
23788	#(5) test =init_data(tdata->x, TEST, fid, n_channels, train_steps, total_steps);	in my_function.
23789	<pre>" #(6) pred =init_data(tdata->x, PRED, fid, n_channels, train_steps,total_steps);</pre>	in my_function.
Ū		
23790) #(7) remove_time_data(tdata);	in my_function
23791	. #(8) net = init_net(&mode, n_channels);	in my_plinn.c
23792	1000	
23794		
23795	100	
23796	20	
23798	5.0	
23799	0.2	
23800		in my_function
23801		
23802	u :	
23803	<pre># (IU) snow_net_parms(net); sn</pre>	in my_piinn.c
23805		in none
23806	ap	
23807	#(12) exec_sim(net, train, aprx, test, pred);	in sim.c
23809		
23810		
23811		
23813		
23814		
23815) Cc: sawa@terasu.cntl.kyutech.ac.jp nate: Wed 18 Jun 2003 15:35:06 +0900	
23817		
23818		
23819	- 上野です。	
23821		
23822	: On Tue, 17 Jun 2003 16:33:28 +0900 S.Kurogi <kuro@cntl.kyutech.ac.jp> wrote:</kuro@cntl.kyutech.ac.jp>	
23824		
23826	^ ^	
23828	SKIP,,,	
23829		
23831	- > (2)上野君	
0000	. ,	

readmecan2mspeech.txt

Dec 05 2019 13:52:41

```
scp -r * kuro@terasu.cntl.kyutech.ac.jp://nome/kuro/public_html/sotu/2004/ueno/can2bscp can2b.tgz kuro@terasu.cntl.kyutech.ac.jp://home/kuro/public_html/sotu/2004/ueno/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        また.、/test_online.sh でオンライン学習での時系列予測を行いますが,こちらの方はあまリソースをいじっておらず,
まだ未完成ですのでご了承ください.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           名パラメータは、./test_batch.sh で調整するようになっているのでそちらを変更してください.
予測する時系列は今のところ,Mackey-Glassにしか対応していません.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           上野貴雅(Takamasa UENO)
九州工業大学 大学院工学研究科 機械知能工学専攻
修士課程2年 制御分野·黒木研究室
E-Mail: ueno@terasu.cntl.kyutech.ac.jp
                                                                                                                                                                                                        ソースをここに 用意して起きました.
http://terasu.cntl.kyutech.ac.jp/~ueno/study/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ソース自体もまだまだかっつけ仕事で書いてますので読みにくいと思いますが,よろしくお願いいたします.
                                                                                                                                                                                                                                                                                                                                  can_20030611.tar.bz2をダウンロードし,
                                                                                                                                                                                                                                                                                                                                                                                                                     $ tar jxfvp can_20030611.tar.bz2
$ cd can_20030611/
$ make
$ .\text{\text{text}}$
$ car. \text{\text{text}}$
$ \text{\text{text}}$
$ .\text{\text{text}}$
$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  で,プログラムが実行されます.
```